

*"City of Champions"*

**DEPARTMENT OF PUBLIC WORKS  
OFFICE OF THE COMMISSIONER**

*Michael L. Thoreson*  
COMMISSIONER

April 21, 2009

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I. Andrew Goldberg  
Assistant Attorney General  
Massachusetts Office of the Attorney General  
One Ashburton Place  
18<sup>th</sup> Floor  
Boston, MA 02108

**Subject: Brockton, Massachusetts  
Wastewater Collection/Treatment Facility  
Consent Decree Civil Action Case No. 1:06-cv-11334-NMG  
2009 - 1<sup>st</sup> Quarter Report**

Dear Mr. Goldberg:

The following is a quarterly report for your consideration regarding the City's Consent Decree Civil Action referenced above. This information is an update of the individual ongoing wastewater projects within the City plus other relevant data, in accordance with Section 42 of the Consent Decree.

***Section 42 a - Activities Directed at Compliance with the Consent Decree:***

**1. Miscellaneous Sewer Pipe Repair and Replacement**

The City has been performing sewer rehabilitation based on the findings of the City Wide Sewer System Evaluation Survey (SSES). In addition, there are several private contractors performing sewer rehabilitation throughout the City. As a result of this work, many gallons of extraneous flow have been removed from the sewer system. The attached Table 1 is a summary of sewer system repairs documented since 1990. The City and private contractors repaired structural defects identified in the SSES during the 1<sup>st</sup> quarter of 2009, which account for removal of 2,880 gpd of extraneous flow. This activity is required by Sections 35 through 39 of the Consent Decree.



2. Phase VII Sewer System Rehabilitation

Construction continued during this quarter, and is expected to continue through the next quarter. The construction value is approximately \$2,000,000 and SRF assistance is being provided. This activity is required by Sections 35 through 39 of the Consent Decree.

3. Phase VIII Sewer System Rehabilitation

Design of Phase VIII sewer is substantially complete, and bidding is anticipated during the next quarter. The SRF loan application was submitted to DEP on October 15, 2008. The construction value is approximately \$2,400,000 and SRF assistance is being provided. This activity is required by Sections 35 through 39 of the Consent Decree.

4. Local and State Funding

The City is currently proceeding with the SRF funding package of \$88 million. In addition, the City modified their authorization for bonding from \$61 million to over \$88 million. These funds are required for the upgrade of the wastewater treatment facility and for rehabilitation of the collection system.

5. I/I Reduction by Whitman and Abington

Both Whitman and Abington are required to develop an I/I rehabilitation plan as defined in the new NPDES permit for the Brockton WWTF. Both have been provided a copy of the Consent Decree and are currently pursuing I/I studies and rehabilitation. This activity is required by Section 40 of the Consent Decree.

6. Wastewater Treatment Facility Upgrade

- a. The Phase I WWTF Upgrade has reached substantial completion. This activity is required by Section 23, 24 and 25 of the Consent Decree.
- b. The Phase II WWTF Upgrade has reached substantial completion. This activity is required by Sections 26 through 29 of the Consent Decree.
- c. The Phase III WWTF Upgrade has reached substantial completion. This activity is required by Sections 30 through 34 of the Consent Decree.

***Section 42 b - Plans, Reports, and Deliverables Completed and Submitted during this Period:***

1. Confirmation of permit compliance at the WWTF was issued during this period (copy attached.)



2. Draft Receiving Water Assessment SEP scope-of-work was submitted to DEP for review (copy attached).

***Section 42 c - Activities Anticipated During the Next Reporting Period:***

1. The City will submit a quarterly report.
2. Miscellaneous Sewer Pipe Repair and Replacement by City Personnel

Additional sewer rehabilitation by City staff based on the findings of the City Wide Sewer System Evaluation Survey (SSES) is expected to continue during the next reporting period.

3. Phase VII Sewer System Rehabilitation Design

Construction of this project will be ongoing during the next reporting period.

4. Phase VIII Sewer System Rehabilitation Design

Bidding and construction of this project are expected to commence during the next reporting period.

5. Phase IX Sewer System Rehabilitation Design

Design of this project is expected to commence during the next reporting period

6. Wastewater Treatment Facility Upgrade

Compliance with the NPDES permit is expected to continue during the next reporting period, as required in Section 34 of the Consent Decree.

***Section 42 d - Anticipated Non-Compliance During the Next Reporting Period:***

During the next quarter, it is expected that the AWRF will be in compliance with its NPDES. Some shakedown and debugging of various aspects of the upgrade remain but it is not expected that these will have any impact on plant performance and final plant effluent compliance.



***Section 42 e - Non-Compliance during the Current Reporting Period:***

During the 1st quarter of 2009, the City of Brockton WWTF experienced two minor effluent violations as listed below which were not the result of construction related activities but rather for the reasons as described below.

January

1 - Daily Effluent pH

Limit - 6.5 Result - 6.4

This violation was the result of a plugged lime slurry addition line.

February

NONE

March

1 - Daily Influent & Effluent CBOD

No results available on 3/20 due to a staffing issue in the lab which prevented the CBOD tests being set up. The contract operator Veolia Water has developed protocol to ensure that the use of a contract laboratory will be utilized in the event this staffing issue was to occur again.

***Section 14 - Status of Supplemental Environmental Projects:***

1. Receiving Water Assessment SEP (Consent Decree Appendix A)

The City has submitted the draft scope-of-work for the SEP in compliance with the requirements of the Consent Decree, and the first round of field sampling is scheduled to occur August 2009 in order to meet the deadlines of the SEP. (see supporting documentation attached.)

2. Regional Wastewater Management Planning SEP (Appendix B)

The City has disbursed the required funds in the amount of \$75,000 to the Old Colony Planning Council for implementation of the scope-of-work for this SEP (see supporting documentation attached.)



3. Lead Analysis SEP (Appendix C)

The City has commenced with the approved scope-of-work for the lead analysis SEP. First draw samples have been taken and delivered to the lab; The City has expended approximately \$17,500 to date for this SEP (see supporting documentation attached.)

*Section 73 - Certification by representative of the City*

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

*Closing*

We trust this information meets your expectations regarding the required progress report. Please do not hesitate to contact me at 508-580-7135 regarding any questions or comments on this information.

Sincerely,



Michael L. Thoreson  
DPW Commissioner  
Enclosures

MLT/ss

cc: Chief, Environmental Enforcement Section CERTIFIED MAIL 7007 0710 0002 5722 7160  
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Larry Rowley, Utilities Superintendent  
Gregory A. Roy, CDM Cambridge  
Ian W. Mead, CDM Providence



**Table 1**  
**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
1st Quarter 2009	March 5, 2009	Cumberland Drive, grouted the wall of the manhole (SMH 001-037) see photo 248	720 gpd			
	January 14, 2009	Winslow Avenue, water plugged and manhole table was sealed (SMH 005-141) see photo 247	720 gpd			
	January 14, 2009	Tufts Circle, water plugged and manhole wall was sealed (SMH 065-045) see photo 246	720 gpd			
	January 14, 2009	Rutland Street, water plugged and manhole table was sealed (SMH 037-106B) see photo 245A	720 gpd		2,880 gpd	
	January 14, 2009	Rutland Street, water plugged and manhole table was sealed (SMH 037-106B) see photo 245A	720 gpd			
4th Quarter 2008	December 11, 2008	College Drive, water plugged pipe connections inside of manhole (32-22A)	360 gpd			
	December 11, 2008	Dewey Drive, water plugged corbel inside of manhole (32-67)				X
	November 21, 2008	Plymouth St., abandoned (and filled with flowable fill) 315' of 26"x39" brick pipe (P-01 to P-02)				X
	November 21, 2008	Plymouth St., abandoned (and filled with flowable fill) 230' of 12" HDPE pipe (P-02 to P-03)				X
	November 21, 2008	Plymouth St., abandoned (and filled with flowable fill) 198' of 12" HDPE pipe (P-03 to P-04)				X
	November 21, 2008	Plymouth St., abandoned (and filled with flowable fill) 293' of 12" HDPE pipe (P-04 to P-05)				X
	November 21, 2008	Plymouth St., abandoned (and filled with flowable fill) 245' of 26"x39" brick pipe (P-05 to P-06)				X
	November 21, 2008	Plymouth St., abandoned (and filled with flowable fill) 35' of 30" brick pipe (P-06 to P-07)				X
	November 21, 2008	Plymouth St., abandoned (and filled with flowable fill) 263' of 30" CI pipe (P-07 to P-08)				X
	November 21, 2008	Plymouth St., abandoned (and filled with flowable fill) 284' of 30" CI pipe (P-08 to P-09)				X
	November 21, 2008	Plymouth St., abandoned (and filled with flowable fill) 152' of 30" CI pipe (P-09 to BULKHEAD)				
	November 20, 2008	Trafalgar St., replaced 3' of 8" PVC 1+80 to 1+84 (005-138 to 005-136) see photos 244A & 244B	5,310 gpd			
	November 20, 2008	Trafalgar St., replaced 3' of 8" PVC 1+98 to 2+03 (005-138 to 005-136)	5,310 gpd			
	November 18, 2008	Trafalgar St., replaced 3' of 8" PVC 2+21 to 2+26 (005-136 to 005-133) see photos 243A & 243B	497 gpd			
	November 18, 2008	Trafalgar St., replaced 3' of 8" PVC 1+68 to 1+72 (005-136 to 005-133)	497 gpd			
	November 19, 2008	Trafalgar St., replaced 4' of 8" PVC 2+14 to 2+18 (005-138 to 005-136) see photos 242A & 242B	1,620 gpd			
	November 10, 2008	Augusta St., replaced 6' of 8" PVC 1+94 to 2+00 (005-132 to 005-130) see photos 241A & 241B	30 gpd			
	November 4, 2008	Plymouth St., replaced 44.5' of 12" PVC 0+00 to 0+44.5	0 gpd			
	November 4, 2008	Plymouth St., replaced 269' of 12" PVC 0+44.5 to 3+13	0 gpd			
	November 4, 2008	Plymouth St., replaced 170' of 12" PVC 3+13 to 4+83	720 gpd			
	November 4, 2008	Plymouth St., replaced 183' of 12" PVC 4+83 to 6+66	4,507 gpd			
	November 4, 2008	Plymouth St., replaced 173' of 12" PVC 6+66 to 8+39	5,760 gpd			
	November 4, 2008	Plymouth St., replaced 193' of 12" PVC 8+39 to 10+32	0 gpd			
	November 4, 2008	Plymouth St., replaced 278' of 8" PVC 15+74 to 18+52	8,640 gpd			
	November 4, 2008	Plymouth St., replaced 139' of 8" PVC 18+52 to 19+91	0 gpd			
	November 4, 2008	Plymouth St., replaced 23' of 8" PVC 19+91 to 20+14	1,080 gpd			
	November 4, 2008	Augusta St., replaced 6' of 8" PVC 2+69 to 2+74 (005-132 to 005-130) see photos 240A & 240B	30 gpd			
	November 3, 2008	Trafalgar St., replaced 4' of 6" PVC 0+37 to 0+41 (005-136 to 005-137) see photos 239A & 239B	3,600 gpd			
	October 21, 2008	Earle St., replaced 7' of 8" PVC 0+2 to 0+09 (005-033 to 005-CAP2) see photos 238A & 238B	720 gpd		39,401 gpd	
3rd Quarter 2008	September 17, 2008	Crescent St., replaced 5' of 8" PVC 2+83 to 2+87 (054-004A to 054-004) and installed CI wrap see photos 237A to 237C	400 gpd			
	September 16, 2008	Norwood St., replaced 3' of 8" PVC 2+37 to 2+40 (060-052 to 060-056) see photos 236A & 236B	400 gpd			
	September 11, 2008	Norwood St., replaced 4' of 8" PVC 1+50 to 1+54 (060-052 to 060-056) see photos 235A & 235B				X
	September 8, 2008	Jacob St., replaced 6' of 8" PVC 0+42 to 0+48 (054-041 to 054-040) see photos 234A & 234B				X
	September 4, 2008	Jacob St., replaced 5' of 8" PVC 0+01 to 0+06 (054-041A to 054-041B)				X
	September 4, 2008	Jacob St., replaced 5' of 8" PVC 0+89 to 0+94 (054-041A to 054-041) see photos 233A & 233B				X
	September 2, 2008	Jacob St., replaced 13' of 8" PVC 2+70 to 2+83 (054-041A to 054-041) see photos 232A & 232B			800 gpd	X
	August 11, 2008	Myrtle St., replaced 3' of 6" PVC & performed rehabilitation on SMH 022-056 see Photos 231A & 231B	5,760 gpd			
2nd Quarter 2008	May 6, 2008	P6: Sheridan St., replaced 131' of 12 VC pipe (053-080 to 053-084)				
	May 6, 2008	P6: Sheridan St., replaced 231' of 12 VC pipe (053-078 to 053-080)				
	May 6, 2008	P6: Sheridan St., replaced 237' of 12 VC pipe (053-054A to 053-078)				



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**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day Inflow Removed	Total I/I per quarter	Exfiltration Source
2nd Quarter 2008	May 6, 2008	P6: Sheridan St., replaced 235' of 12 VC pipe (053-059 to 053-054A)				
	May 6, 2008	P6: Sheridan St., replaced 53' of 12 PVC pipe (053-065A to 053-059)				
	May 3, 2008	P6: Market St., replaced 304' of 12" VC pipe (024-046 to 024-EX2)			5,760 gpd	
1st Quarter 2008	March 26, 2008	Portland St., replaced 3' of 8" PVC & service STA 2+21 to 2+23 (059-035 to 059-034) see photos 230A & 230B	1,161 gpd			
	March 18, 2008	Portland St., replaced 3' of 8" PVC STA 2+33 to 2+36 (059-036A to 059-035) see photos 229A & 229B	1,240 gpd			
	March 18, 2008	Portland St., replaced 4' of 8" PVC & service STA 2+00 to 2+04 (059-036A to 059-035) see photos 228A & 228B	1,240 gpd			
	March 17, 2008	Portland St., replaced 3' of 8" PVC & service wye STA 0+47 to 0+49 (059-035 to 059-034) see photos 227A & 227B	360 gpd		4,001 gpd	
4th Quarter 2007	December 14, 2007	P6: Warren Ave, replaced 279' of 21" pipe (024-046 to 023-001)				
	December 14, 2007	P6: Warren Ave, replaced 284' of 21" pipe (023-005 to 023-009)				
	December 14, 2007	P6: Warren Ave, replaced 229' of 21" pipe (023-001 to 023-005)				
	December 12, 2007	P4: Packard Way, replaced 27' of 8" pipe (sta. 0+27 to 021-001)				
	December 12, 2007	P4: Packard Way, replaced 104' of 8" pipe (021-002A to sta. 0+27)				
	December 12, 2007	P4: Packard Way, replaced 294' of 8" pipe (021-002 to 021-002A)				
	October 26, 2007	P4: Warren Ave, replaced 126.5' of 12" pipe (021-054 to 021-049X)				
	October 26, 2007	P4: Warren Ave, replaced 229.5' of 12" pipe (021-049X to 022-049)				
	October 24, 2007	P6: Warren Ave, replaced 237' of 21" pipe (024-040 to 024-046)				
	Oct - Dec, 2007	Capping of 1 floor drain throughout the City		4,798 gpd		
	December 14, 2007	P6: Orchard Ave., replaced 319' of 8" pipe (037-127 to 037-128)	63,360 gpd			
	December 14, 2007	P6: North Main St., replaced 343' of 8" pipe (037-127 to 037-131)	1,080 gpd			
	December 14, 2007	P6: North Main St., replaced 295' of 8" pipe (037-124 to 037-127)	3,963 gpd			
	December 14, 2007	P6: North Main St., replaced 213' of 8" pipe (037-122A to 037-124)	4,102 gpd			
	December 14, 2007	P6: North Main St., replaced 213' of 8" pipe (037-122 to 037-122A)	2,880 gpd			
	December 14, 2007	P6: North Main St., replaced 85' of 8" pipe (037-121 to 037-122 )	0 gpd			
	December 14, 2007	P6: North Main St., replaced 337' of 8" pipe (037-118 to 037-121)	2,880 gpd			
	November 20, 2007	P4: Warren Ave, replaced 262' of 12" pipe (021-006 to 021-001)	0 gpd			
	November 15, 2007	Portland St., replaced 4' of 8" PVC & service Wye STA 1+35 to 1+39 (059-036A to 059-035) see photos 226A & 226B	400 gpd			
	November 14, 2007	Lewiston St., replaced 4' of 10" PVC & service Wye STA 1+76 to 1+81 (059-045 to 059-044) see photos 225A & 225B	2,485 gpd			
	November 14, 2007	Lewiston St., replaced 4' of 10" PVC & service Wye STA 0+13 to 0+17 (059-044 to 059-040) see photos 224A & 224B	1,440 gpd			
	November 8, 2007	P4: Warren Ave, replaced 303' of 12" pipe (021-001 to 021-054)	28,800 gpd			
	October 1, 2007	Kingman St., replaced 7' of 8" PVC STA 0+30 to 0+37 (054-031 to 054-030) see photos 223A & 223B	1,750 gpd		117,938 gpd	
007	September 26, 2007	P6: Warren Ave, replaced 180' of 21" pipe (024-040 to 024-044)	4,320 gpd			
	September 21, 2007	P6: Warren Ave, replaced 275' of 21" pipe (024-038 to 024-040)				
	September 14, 2007	P6: Warren Ave, replaced 274' of 21" pipe (024-037 to 024-038)				
	August 30, 2007	P6: Clifton Ave, replaced 137' of 24" pipe (024-030A to 024-037)				
	August 29, 2007	P6: Clifton Ave, replaced 116' of 24" pipe (024-030 to 024-030A)				
	August 27, 2007	P4: Warren Ave, replaced 351' of 18" pipe (022-049 to 022-040)				
	August 22, 2007	P6: Clifton Ave, replaced 32' of 24" pipe (024-029 to 024-030)				
	August 13, 2007	Clark St, replaced 8' to 8" PVC & (2)8"X8"Sleeves STA 1+20 to 1+28 (054-039 to 054-039A) see photos 222A & 222B				
	July 28, 2007	P4: Packard Way, replaced 328' of 8" pipe (021-003 to 021-002)				
	July 13, 2007	P4: Packard Way, replaced 244' of 8" pipe (021-005 to 021-004)				
	July 10, 2007	P4: Packard Way, replaced 193' of 8" pipe (021-004 to 021-003X)				
	July 3, 2007	P4: Packard Way, replaced 129' of 8" pipe (021-003X to 021-003)	180 gpd			
	Jun - Sept, 2007	Removal of 22 private sump pumps and 1 floor drain capping throughout the City		94,350 gpd		
	September 17, 2007	Adams St., replaced 2' to 8" PVC & (2)8"X8"Sleeves STA 1+31 to 1+33(053-097 to 053-097A) see photos 221A & 221B	2,160 gpd			
	September 7, 2007	Moulton St., replaced 8' to 8" PVC & (3)6"Sleeves STA 1+81 to 1+89(054-035 to 054-034) see photos 220A & 220B	90 gpd			



**Table 1**  
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**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
3rd Quarter 2007	September 6, 2007	Perry Ave., replaced 6' to 8" PVC & (2)8"X8"Sleeves STA 2+62 to 2+68(054-035 to 054-034) see photos 219A & 219B	1,050 gpd			
	September 5, 2007	Perry Ave., replaced 7' to 8" PVC & (2)8"X8"Sleeves STA 0+58 to 0+65(054-035 to 054-034) see photos 218A & 218B	1,050 gpd			
	September 4, 2007	Perry Ave., replaced 4' to 8" PVC & (2)8"X8"Sleeves STA 0+72 to 0+76(054-035A to 054-035) see photos 217A & 217B	720 gpd			
	August 21, 2007	Addison Ave., replaced 6' to 6" PVC & 6"X6"Wye STA 1+72 to 1+78(054-004E to 054-004C) see photos 216A & 216B	360 gpd			
	August 20, 2007	Addison Ave., replaced 7' to 6" PVC & (2)6"X6"Sleeves STA 2+08 to 2+15(054-004E to 054-004C) see photos 215A & 215B	360 gpd			
	August 17, 2007	Henry St., replaced 4' to 8" PVC & (2)8"X8"Sleeves STA 1+67 to 1+71(054-025 to 054-024) see photos 214A & 214B	270 gpd			
	August 16, 2007	Henry St., replaced 6' to 8" PVC & (4)8"X8"Sleeves STA 3+07 to 3+13(054-025 to 054-024) see photos 213A & 213D	270 gpd			
	August 15, 2007	Macy Ave, replaced 8' to 8" PVC & (2)8"X8"Sleeves STA 1+22 to 1+30(054-004D to 054-004B) see photos 212A & 212B	1,500 gpd			
	July 16, 2007	Bishop St, replaced 8' to 6" PVC & 6"Sleeve STA 0+31 to 0+39(043-091A to 043-090) see photos 211A & 211B	40 gpd			
	July 12, 2007	Upton St, replaced 2' to 8" PVC & (2)8"X8"Sleeves STA 1+77 to 1+79(043-056 to 043-057) see photos 210A & 210B	45 gpd			
	July 2, 2007	Moncrief St, replaced 5' to 8" PVC & 8"X8"Sleeve STA 1+10 to 1+15(043-087B to 043-087A) see photos 209A & 209B	170 gpd			
	July 2, 2007	Moncrief St, replaced 4' to 8" PVC & (2)8"X8"Sleeves STA 0+79 to 0+83(043-087B to 043-087A) see photos 208A & 208B	170 gpd			
	June 20, 2007	Drew Ave, replaced 6' to 8" PVC & (2)8"X8"Sleeves STA 0+24 to 0+30(043-087C to 043-087B) see photos 207A & 207B	1,800 gpd			
	June 19, 2007	Drew Ave, replaced 4' to 8" PVC & (2)8"X8"Sleeves STA 0+75 to 0+79(043-087D to 043-087C) see photos 206A & 206B	360 gpd			
	June 18, 2007	Drew Ave, replaced 9' to 8" PVC & (2)8"X8" Sleeves STA 1+10 to 1+19(043-087E to 043-087D) see photos 205A & 205B	450 gpd			
	June 13, 2007	Drew Ave, replaced 4' to 8" PVC & (2)8"X8" Sleeves STA 0+31 to 0+35(043-087D to 043-087C) see photos 204A & 204B	450 gpd			
	June 13, 2007	Drew Ave, replaced 4' to 8" PVC & (2)8"X8" Sleeves STA 2+61 to 2+65 (043-087D to 043-087C) see photos 203A & 203B	400 gpd			
	June 6, 2007	Drew Ave, replaced 6" service wye STA 1+36 (043-087C to 043-087B) see photos 202A & 202B	180 gpd			
	June 5, 2007	Drew Ave, replaced 2' of 8" PVC STA 1+71 to 1+73 (043-087C to 043-087B) see photos 201A & 201B	45 gpd		110,790 gpd	
2nd Quarter 2007	Apr - Jun 2007	Replacement of 6 sewer cleanouts and capping of 2 floor drains throughout the City		18,720 gpd		
	May 30, 2007	P4: Summer Street, replaced 160' of 8" pipe (063-013 to 063-013X)	480 gpd			
	May 30, 2007	P4: Summer Street, replaced 109' of 8" pipe (063-012X to 063-013)	480 gpd			
	May 30, 2007	P4: Summer Street, replaced 12' of 8" pipe (063-012 to 063-012X)	480 gpd			
	May 9, 2007	P4: Riverview Street, replaced 27' of 12" pipe (sta. 0+43 to 063-002A)				
	May 8, 2007	P4: Perkins Avenue, replaced 32.5' of 12" pipe (063-005D to 063-002A)				
	May 3, 2007	P4: Perkins Avenue, replaced 239' of 12" pipe (063-005D to 063-001)	65,520 gpd			
	May 1, 2007	P4: Perkins Avenue, replaced 235.5' of 10" pipe (063-001 to 066-005)	93,600 gpd			
	April 25, 2007	P4: Leyden Street, replaced 6' of 8" pipe and replaced SMH 063-CAP1	0 gpd			
	April 20, 2007	P4: Darby Road, replaced 261.5' of 8" pipe (065-028 to 065-029)	180 gpd			
	Apr - Jun 2007	Removal of 15 private sump pumps throughout the City		124,200 gpd		
	May 3, 2007	Massachusetts Ave., replaced 22' of 8" PVC STA 1+99 to 2+14 ( 043-016 to 043-015) see Photo 200A & 200B	500 gpd			
	May 2, 2007	Massachusetts Ave., replaced 6' of 8" PVC STA 2+96 (043-019 to 043-018) see Photo 199A & 199B	1,510 gpd			
	May 1, 2007	Massachusetts Ave., replaced 2' of 8" PVC STA 2+14 (043-019 to 043-018) see Photo 198A & 198B	1,550 gpd			
	April 30, 2007	Massachusetts Ave., replaced 5' of 8" PVC STA 2+96 (043-019 to 043-018) see Photo 197A & 197B	1,710 gpd			
	April 25, 2007	Massachusetts Ave., replaced 4' of 8" PVC STA 0+71 (043-020 to 043-019) see Photo 196A & 196B	5 gpd			
	April 24, 2007	Massachusetts Ave., replaced 8"X6" Y & 3' of 8" PVC & 5' of 6" PVC STA 0+24 (043-019 to 043-018) see Photo 195A & 195B	1,710 gpd			
	April 20, 2007	Massachusetts Ave., replaced 6"X8" TEE & 7' 8" PVC & 5' of 6" PVC STA 1+23 (043-020 to 043-019) see Photo 194A & 194B	10 gpd			
	April 19, 2007	Massachusetts Ave., replaced 4' of 8" PVC STA 1+22 (043-020 to 043-019) see Photo 193A & 193B	15 gpd			
	April 19, 2007	Massachusetts Ave., replaced 1.5' of 8" PVC STA 1+32 (043-020 to 043-019) see Photo 192A & 192B	15 gpd			
	April 10, 2007	Summer St., replaced 3' of 6" PVC NO STA (Not on Phase repair list) see Photo 191A & 191B				
	April 5, 2007	Massachusetts Ave., replaced 10' of 8" PVC STA 2+41 to 2+52 (043-016 to 043-015) see Photo 190A & 190B	480 gpd			
	April 4, 2007	Massachusetts Ave., replaced 7' of 8" PVC STA 1+99 (043-016 to 043-015) see Photo 189A & 189B	550 gpd			
	April 3, 2007	Massachusetts Ave., replaced 6' of 8" PVC STA 0+73 (043-016 to 043-015) see Photo 188A & 188B	45 gpd			
	April 2, 2007	Massachusetts Ave., replaced 4' of 8" PVC STA 2+23 to 2+31 (043-015 to 043-014) see Photo 187A & 187B	1,800 gpd		313,560 gpd	



**Table 1**  
**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates	Description of Work	Infiltration Removed	Flow in gallons per day Inflow Removed	Total I/I per quarter	Exfiltration Source
1st Quarter 2007	March 30, 2007	Anawan St., replaced 6' of 8" PVC STA 0+08 (043-078 to 043-077) see Photo 186A & 186B	1,080 gpd			
	March 29, 2007	Anawan St., replaced 6' of 10" PVC STA 0+76 (043-078 to 043-077) see Photo 185A & 185B	1,080 gpd			
	March 28, 2007	Ashfield Dr @Anawan St., replaced 10' of 10" PVC STA 0+33 (Not on replace list) see Photo 187A & 184B				
	March 27, 2007	Bishop St., replaced 3' of 8" PVC STA 0+11 (043-087A to 043-086A) see Photo 183A & 183B	360 gpd			
	March 27, 2007	Bishop St., replaced 3' of 8" PVC STA 1+53 (043-087A to 043-086A) see Photo 182A & 182B	360 gpd		2,880 gpd	
	March 13, 2007	Algonquin St., replaced 3' of 10" PVC STA 0+55 (043-013 to 043-012) see Photo 180A & 180B	300 gpd			
	March 12, 2007	Algonquin St., replaced 3' of 10" PVC STA 0+39 (043-013 to 043-012) see Photo 179A & 179B	180 gpd			
	March 9, 2007	Dailey Rd., replaced 2' of 8" PVC STA 0+08 (043-059 to 043-058) see Photo 178A & 178B	50 gpd			
	March 8, 2007	Algonquin St., replaced 4' of 10" PVC STA 0+15 (043-013 to 043-012) see Photo 177A & 177B	200 gpd			
	March 7, 2007	Dailey Rd., replaced 9' of 8" PVC & service wye STA 0+76 (043-059 to 043-058) see Photo 176A & 176B	50 gpd			
	March 6, 2007	Anawan St., replaced 6' of 8" PVC STA 1+13 (043-079 to 043-078) see Photo 175A & 175B	10 gpd			
	February 27, 2007	John Berman Dr., replaced cap on Y STA 1+58 (Not on replace list) see Photo 175A & 175B	700 gpd			
	February 21, 2007	John Berman Dr., replaced 4' of 10" PVC & service wye STA 0+52 (043-085A to 043-085) see Photo 174A, 174B, 174C & 174D	50 gpd			
	February 13, 2007	John Berman Dr., replaced service wye STA 1+25 (043-086 to 043-085A) see Photo 173A & 173B	50 gpd			
	February 8, 2007	John Berman Dr., replaced 6' of 10" PVC STA 0+86 (043-086 to 043-085A) see Photo 172A & 172B	20 gpd			
	February 7, 2007	Anawan St., replaced 4' of 8" PVC & service wye STA 1+82 (043-079 to 043-078) see Photo 171A & 171B	20 gpd			
	February 6, 2007	Anawan St., replaced 7' of 8" PVC STA 1+11 (043-079 to 043-078) see Photo 170A & 170B				
	February 5, 2007	Annis Ave., replaced 13' of 8" PVC & 9' of 10" PVC see Photo 169A	30 gpd			
	February 2, 2007	Anawan St., replaced 5' of 8" PVC STA 0+66 (043-079 to 043-078) see Photo 168A & 168B	25 gpd			
	February 1, 2007	Anawan St., replaced 20' of 8" PVC & service wye STA 0+33 to 0+47 (043-079A to 043-079) see Photo 167A & 167B	25 gpd			
	January 30, 2007	Anawan St., replaced 3' of 8" PVC STA 1+08 (043-079A to 043-079) see Photo 166A & 166B	2,000 gpd			
	January 29, 2007	Almon Ave., replaced 3' of 8" PVC STA 1+76 (032-072 to 032-071) see Photo 165A & 165B	2,880 gpd			
	January 5, 2007	Herrod Ave., replaced service wye STA 0+93 (037-124A to 037-124) see Photo 164A & 164B	1,080 gpd			
	January 4, 2007	N. Manchester St., service wye STA 1+10 (042-004A to 042-004B) see Photo 163A & 163B			5,620 gpd	
4th Quarter 2006	December 1, 2006	P4: Auburn Street, replaced 274.60' of 8" pipe (063-002 to 063-001A)	0 gpd			
	December 1, 2006	P4: Auburn Street, replaced 277.50' of 8" pipe (063-001A to 063-001)	0 gpd			
	November 2006	Design: East Ashland Street, replaced 130' of 12" pipe (040-019 to 040-028)	2,881 gpd			
	November 2006	Design: East Ashland Street, replaced 330' of 12" pipe (040-018 to 040-019)	36,000 gpd			
	November 2006	Design: East Ashland Street, replaced 203' of 12" pipe (040-017 to 040-018)	5,760 gpd			
	November 2006	Design: East Ashland Street, replaced 252' of 12" pipe (040-016 to 040-017)	5,040 gpd			
	October 16, 2006	P4: Burton Ave, replaced 294' of 8" pipe (060-007B to 060-007A)	6,142 gpd			
	October 16, 2006	P4: Burton Ave, replaced 166' of 8" pipe (060-007A to 060-007C)	0 gpd			
	December 18, 2006	Rutland St., replaced 3' of 6" pipe & service wye STA 2+48 (037-123 to 037-121A) see Photo 162A & 162B	672 gpd			
	December 12, 2006	Calvin Street, replaced service wye STA 0+85 (031-031 to 031-030) see Photo 161A & 161B	1,260 gpd			
	December 11, 2006	Calvin Street, replaced 6' of 8" PVC STA 0+31 (031-031 to 031-030) see Photo 160A & 160B	180 gpd			
	November 29, 2006	N. Manchester St., replaced 3' of 8" PVC & service wye STA 1+30 (042-004A to 042-004B) see Photo 159A & 159B	432 gpd			
	November 28, 2006	N. Manchester St., replaced 6' of 8" PVC & service wye STA 0+71 (042-004A to 042-004B) see Photo 158A	432 gpd			
	November 27, 2006	N. Manchester St., replaced 8' of 8" PVC & service wye STA 2+00 (042-004A to 042-004B) see Photo 157A & 157B	261 gpd			
2006	October 23, 2006	Vine Street, replaced 4' of 8" VC STA 1+46 (037-101 to 037-100) see Photo 156A & 156B	360 gpd		59,420 gpd	
	September 9, 2006	Keith Avenue, replaced 5' of 8" PVC STA 0+34 (024-039A to 024-039) see Photo 155A				
	May 9, 2006	Upland Road, replaced 3' of 8" PVC STA 0+87 (037-091 to 037-090) see Photos 154A & 154B	1,500 gpd			
	May 11, 2006	Rutland Avenue, replaced 8" pipe and service wye STA 2+33 (037-121A to 037-122) see Photos 153A & 153B	720 gpd			
	May 10, 2006	Rutland Avenue, replaced 4' of 8" PVC STA 1+34 to 1+38 (037-121A to 037-122) see Photos 152A & 152B	720 gpd			
	May 18, 2006	Rutland Avenue, replaced 4' of 8" PVC STA 2+74 (037-121A to 037-122) see Photo 151A	540 gpd			



**Table 1**  
**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
3rd Quarter	May 17, 2006	Rutland Avenue, replaced 4' of 8" PVC STA 2+87 (037-121A to 037-122) see Photos 150A & 150B	540 gpd			
	May 16, 2006	Rutland Avenue, replaced 4' of 8" PVC STA 0+15 (037-121A to 037-122) see Photos 149A & 149B	540 gpd			
	July 19, 2006	Oak Street, replaced service connection STA 2+05 (037-136 to 037-135) see Photos 148A & 148B	2,400 gpd			
	July 20, 2006	Oak Street, replaced 8" pipe service wye STA 2+85 (037-136 to 037-135) see Photos 147A & 147B	1,200 gpd			
	July 25, 2006	Oak Street, replaced 8" pipe and two service tees PVC STA 1+72 (037-135 to 037-134) see Photos 146A & 146B	2,500 gpd			
	August 3, 2006	Oak Street, replaced 8" pipe and service tee STA 0+15 (037-134 to 037-133) see Photos 145A & 145B	1,200 gpd			
	August 7, 2006	Oak Street, replaced pipe and service wyes STA 0+42 (037-134 to 037-133) see Photos 144A & 144B	1,440 gpd			
	August 8, 2006	Oak Street, replaced 8" pipe and service wye STA 2+08 (037-133 to 037-132) see Photos 143A & 143B	720 gpd		14,020 gpd	
2nd Quarter 2006	May 1, 2006	Upland Rd., repl 2' of 8" pipe and 8"X8" sleeve STA 2+45 to 2+47 (037-091 to 037-090) see Photos 142A & 142B	320 gpd			
	April 25, 2006	Orchard Ave., replaced 6' of 8" pipe STA 0+83 to 0+87 (037-130 to 037-129) see Photos 141A & 141B	180 gpd		500 gpd	
1st Quarter 2006	March 21, 2006	Pomona Dr., replaced 17.5' of 6" pipe and 6"X6" sleeve (045-032G to 045-032J) see Photos 140A & 140B				
	March 6, 2006	Main St. behind Shaws, 5' of 10" pipe STA 0+47 to 0+52 (034-12A to 034-012) see Photos 137A to 137B				
	February 28, 2006	Main St. behind Shaws, 5' of 10" pipe STA 0+21 to 0+26 (034-12A to 034-012) see Photos 136A & 136B				
	February 27, 2006	K-Mart Parking, replaced 6' of 8" pipe STA 0+36 to 0+42 (034-012K to 034-012J) see Photo 138A	1,440 gpd			
	February 7, 2006	E. Main St., replaced 5' of 8" pipe STA 2+70 to 2+74 (037-087 to 037-086) see Photos 133A & 133B				
	February 6, 2006	E. Main St., replaced 3' of 8" STA 2+25 to 2+28 (037-087 to 037-086) see Photos 132A & 132B				
	February 2, 2006	P5: Menlo Ave, lined 256.3' of 8" pipe (025-029 to 025-026)	15,750 gpd			
	February 1, 2006	P5: Geralyn Dr. Easement, lined 186' of 10" pipe (067-043 to 067-042)	1,275 gpd			
	February 1, 2006	P5: Easement across Cross Pond, lined 388' of 18" pipe (007-125 to 007-126)				
	January 31, 2006	P5: Boulders Apartments., lined 241' of 8" pipe (045-037E to 045-037D)	2,520 gpd			
	January 31, 2006	P5: Boulders Apartments., lined 150' of 8" pipe (045-037D to 045-037C)	1,440 gpd			
	January 31, 2006	P5: E. Ashland St., lined 153.5' of 15" pipe (045-033 to 045-032)	7,200 gpd			
	January 31, 2006	P5: E. Ashland St., lined 102.5' of 15" pipe (045-032 to 045-031)	2,880 gpd			
	January 30, 2006	P5: Toby Rd., lined 127.5' of 8" pipe (045-034B to 045-033A)	1,440 gpd			
	January 30, 2006	P5: Toby Rd., lined 16.2' of 8" pipe (045-034A to 045-034B)				
	January 30, 2006	P5: Toby Rd., lined 116.3' of 8" pipe (045-034C to 045-034A)				
	January 30, 2006	P5: Toby Rd., lined 192' of 8" pipe (045-036A to 045-035A)	2,160 gpd			
	January 30, 2006	P5: Toby Rd., lined 53' of 8" pipe (045-035A to 045-034C)	180 gpd			
	January 30, 2006	P5: Pleasant St., lined 399.5' of 10" pipe (017-065 to 017-062)	40,320 gpd			
	January 27, 2006	P5: Dover St., lined 451.6' of 10" pipe (018-017 to 018-016A)	6,099 gpd			
	January 27, 2006	P5: Belmont Ave, lined 77.3' of 10" pipe (017-011F to 017-041C)				
	January 26, 2006	P5: No. Warren Ave, lined 271.4' of 10" pipe (019-027 to 019-024)				
	January 26, 2006	P5: No. Warren Ave, lined 247.2' of 10" pipe (019-028 to 019-027)				
	January 26, 2006	P5: No. Warren Ave, lined 200.8' of 10" pipe (019-031 to 019-028)	360 gpd			
	January 26, 2006	P5: Warren Ave, lined 232.3' of 8" pipe (018-016 to 018-017A)	22,800 gpd			
	January 24, 2006	P5: Center St., lined 353.5' of 10" pipe (019-071 to 019-072)				
	January 24, 2006	P5: Center St., lined 145.5' of 10" pipe (019-065 to 019-071)	11,520 gpd			
	January 24, 2006	P5: Center St., lined 143' of 10" pipe (019-037B to 019-065)	720 gpd			
	January 24, 2006	P5: Forest Rd., lined 208' of 8" pipe (018-020A to 018-018A)	2,160 gpd			
	January 24, 2006	P5: Forest Rd., lined 325.6' of 8" pipe (018-018A to 018-018B)	12,960 gpd			
	January 20, 2006	P5: Edward St., lined 212.5' of 8" pipe (047-054 to 047-055)	720 gpd			
	January 20, 2006	P5: Sharon St., lined 150.3' of 8" pipe (047-054 to 047-053)	11,520 gpd			
	January 20, 2006	P5: Sharon St., lined 92.2' of 8" pipe (047-053 to 047-052)				



**Table 1**  
**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day			Exfiltration Source
				Inflow Removed	Total I/I per quarter		
1st Quarter	January 20, 2006	P5: Sharon St., lined 111.5' of 8" pipe (047-051 to 047-052)	540 gpd				
	January 19, 2006	P5: Skinner St., lined 415.5' of 8" pipe (055-047 to 055-046)					
	January 19, 2006	P5: South Fuller St., lined 276' of 10" pipe (018-016B to 018-016A)	1,275 gpd				
	January 19, 2006	Oakside Ave., replaced 4' of 8" pipe STA 0+73 to 0+77 (033-025 to 033-024) see Photos 134A & 134B					
	January 18, 2006	P5: Lyon Ave., lined 279' of 8" pipe (066-053 to 066-052)	360 gpd				
	January 18, 2006	P5: Sharon St., lined 275.3' of 8" pipe (047-051 to 047-050)	4,320 gpd				
	January 18, 2006	P5: Sharon St., lined 300' of 8" pipe (047-050 to 047-049A)					
	January 18, 2006	P5: Sharon St., lined 200.3' of 8" pipe (047-049A to 047-049)	2,880 gpd				
	January 17, 2006	P5: Main St., lined 321.5' of 8" pipe (066-044 to 066-043)	135 gpd				
	January 17, 2006	P5: Annadea Rd., lined 302.5' of 8" pipe (047-006A to 047-005B)	2,880 gpd				
	January 17, 2006	P5: Annadea Rd., lined 115.5' of 8" pipe (047-005B to 047-004A)					
	January 16, 2006	P5: Skinner St., lined 148.3' of 8" pipe (055-048 to 055-049)	10,975 gpd				
	January 16, 2006	P5: Skinner St., lined 75.5' of 8" pipe (055-048 to 055-046)	410 gpd				
	January 13, 2006	P5: Maplewood Cir., lined 230.9' of 8" pipe (045-021 to 045-022)	1,440 gpd				
	January 13, 2006	P5: Maplewood Cir., lined 247.5' of 8" pipe (045-021 to 045-020)	2,880 gpd				
	January 13, 2006	P5: Joslyn Ln, lined 113.5' of 8" pipe (019-073 to 019-074)	90 gpd				
	January 13, 2006	P5: Joslyn Ln, lined 113.5' of 8" pipe (019-072 to 019-073)	90 gpd				
	January 12, 2006	P5: Cristo's Way, lined 370.9' of 8" pipe (048-051 to 048-050)	11,620 gpd				
	January 12, 2006	P5: Cristo's Way, lined 300.5' of 8" pipe (048-050 to 048-042)	764 gpd				
	January 12, 2006	P5: Woodland Ave, lined 391' of 8" pipe (035-107 to 035-106)	2,760 gpd				
	January 12, 2006	P5: Woodland Ave, lined 263' of 8" pipe (035-109 to 035-107)	69,120 gpd				
	January 12, 2006	Oakside Ave., replaced 5' of 8" pipe STA 1+45 to 1+50 (033-026 to 033-025) see Photos 135A & 135B					
	January 11, 2006	P5: Maplewood Cir., lined 276' of 8" pipe (045-020 to 045-019A)	1,440 gpd				
	January 11, 2006	P5: Maplewood Cir., lined 197' of 8" pipe (045-019 to 045-019A)	1,080 gpd				
	January 11, 2006	P5: Maplewood Cir., lined 201.5' of 8" pipe (045-017 to 045-019)	2,880 gpd				
	January 11, 2006	P5: Camden Ave, lined 198.5' of 8" pipe (020-060C to 020-060B)	12,960 gpd				
	January 11, 2006	P5: Camden Ave, lined 296.5' of 8" pipe (020-060B to 020-060A)	2,160 gpd				
	January 10, 2006	P5: Quincy St., lined 251' of 8" pipe (048-053 to 048-054)	410 gpd				
	January 10, 2006	P5: Beaumont Ave, lined 101' of 8" pipe (048-052 to 048-053)	107 gpd				
	January 10, 2006	P5: Beaumont Ave, lined 149' of 8" pipe (048-051 to 048-052)	107 gpd				
	January 10, 2006	P5: Hampton Ave, lined 417' of 8" pipe (035-108 to 035-107)	177 gpd				
	January 9, 2006	P5: Plain St., lined 286.7' of 8" pipe (066-090 to 066-089A)	5,000 gpd				
	January 4, 2006	Jane Ter., replaced 3' of 6" pipe STA 1+57 to 1+60 (033-022 to 033-021) see Photos 139A & 139B	1,440 gpd		285,764 gpd		
	Oct - Nov 2005	P5: Rehabilitation of 117 manholes	94,608 gpd				
	December 22, 2005	P5: Main Street, lined 277' of 8" pipe (066-042 to 066-041)	11,520 gpd				
	December 22, 2005	P5: Main Street, lined 248.5' of 8" pipe (066-043 to 066-042)	3,610 gpd				
	December 21, 2005	P5: Quincy Street, lined 273.7' of 8" pipe (048-056 to 048-055)	4,350 gpd				
	December 21, 2005	P5: Quincy Street, lined 279.2' of 8" pipe (048-055 to 048-053)	2,520 gpd				
	December 20, 2005	P5: Manomet Street, lined 277.45' of 8" pipe (020-053 to 020-054)	117 gpd				
	December 19, 2005	P5: Theresa Road, lined 232.1' of 8" pipe (067-065 to 067-066)	1,620 gpd				
	December 15, 2005	P5: Ash Street, lined 206.2' of 8" pipe (017-026 to 017-024)	4,320 gpd				
	December 15, 2005	P5: Ellsworth Street, lined 235.8' of 8" pipe (017-024 to 017-022)	13,680 gpd				
	December 14, 2005	P5: Spring Street, lined 210.6' of 8" pipe (017-043 to 017-053)	7,560 gpd				
	December 14, 2005	P5: Highland Terrace, lined 228.6' of 8" pipe (017-050 to 017-043)					



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**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
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**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		
				Inflow Removed	Total I/I per quarter	Exfiltration Source
4th Quarter 2005	December 13, 2005	P5: No. Quincy Street, lined 34' of 8" pipe (049-105 to 049-105A)	102 gpd			
	December 13, 2005	P5: No. Quincy Street, lined 314' of 8" pipe (049-106 to 049-105)	4,500 gpd			
	December 13, 2005	P5: No. Quincy Street, lined 285' of 8" pipe (049-108 to 049-106)	7,200 gpd			
	December 12, 2005	P5: Moraine Street, lined 335.05' of 8" pipe (017-066 to 017-065)	2,160 gpd			
	December 7, 2005	P5: Main Street, lined 327' of 8" pipe (066-045 to 066-044)	2,700 gpd			
	December 7, 2005	P5: Main Street, lined 304.7' of 8" pipe (066-049 to 066-045)				
	December 7, 2005	P5: Main Street, lined 203.4' of 8" pipe (066-052 to 066-049)	3,600 gpd			
	December 5, 2005	P5: Brunswick Street, lined 268.4' of 8" pipe (117-097 to 117-100)	1,440 gpd			
	December 1, 2005	P5: Summer Street, lined 139.65' of 8" pipe (066-083 to 066-079)	5,760 gpd			
	December 1, 2005	P5: Summer Street, lined 54.3' of 8" pipe (066-083 to 066-084)				
	December 1, 2005	P5: Summer Street, lined 174.45' of 8" pipe (066-084 to 066-085)	1,080 gpd			
	December 1, 2005	P5: Summer Street, lined 215.2' of 8" pipe (066-085 to 066-086)				
	November 30, 2005	P5: Pleasant Street, lined 152' of 8" pipe (017-162 to 017-160B)	1,080 gpd			
	November 30, 2005	P5: Pleasant Street, lined 308.3' of 8" pipe (017-160B to 017-160A)	8,460 gpd			
	November 30, 2005	P5: Pleasant Street, lined 307.7' of 8" pipe (017-160A to 017-160)				
	November 29, 2005	P5: Prospect Avenue, lined 308.05' of 8" pipe (017-114 to 017-113)	4,320 gpd			
	November 28, 2005	P5: Cross Country (off E. Ashland), lined 195.3' of 15" pipe (045-034 to 045-035)	1,382 gpd			
	November 28, 2005	P5: Cross Country (off E. Ashland), lined 207.4' of 15" pipe (045-033 to 045-034)	1,473 gpd			
	November 18, 2005	P5: No. Quincy Street, lined 70.15' of 8" pipe (049-102 to 049-102A)	107 gpd			
	November 18, 2005	P5: No. Quincy Street, lined 275.45' of 8" pipe (049-103 to 049-102)	4,380 gpd			
	November 18, 2005	P5: No. Quincy Street, lined 287.2' of 8" pipe (049-104 to 049-103)	7,250 gpd			
	November 18, 2005	P5: No. Quincy Street, lined 326.1' of 8" pipe (049-105A to 049-104)	7,250 gpd			
	November 18, 2005	P5: E. Ashland Street, lined 21' of 12" pipe (040-015 to 040-016)	8,640 gpd			
	November 18, 2005	P5: E. Ashland Street, lined 152' of 12" pipe (040-003B to 040-015)	6,480 gpd			
	November 17, 2005	P5: Easement (between Manomet & Grafton), lined 129.3' of 8" pipe (020-048 to 020-043)	1,800 gpd			
	November 17, 2005	P5: Easement (between Manomet & Grafton), lined 250.7' of 8" pipe (020-049 to 020-048)	1,800 gpd			
	November 16, 2005	P5: No. Quincy Street, lined 295.8' of 8" pipe (045-072 to 045-074)				
	November 16, 2005	P5: No. Quincy Street, lined 301.6' of 8" pipe (045-075 to 045-074)				
	November 16, 2005	P5: No. Quincy Street, lined 239.6' of 8" pipe (045-075 to 045-076)				
	November 15, 2005	P5: Georgene Drive, lined 208.7' of 8" pipe (067-067A to 067-067)	764 gpd			
	November 15, 2005	P5: Georgene Drive, lined 210.35' of 8" pipe (067-069 to 067-067A)	8,095 gpd			
	November 14, 2005	P5: Clinton Street, lined 286.9' of 8" pipe (018-010A to 018-010)	5,760 gpd			
	November 10, 2005	P5: Cross Country, lined 161.45' of 12" pipe (045-017 to 045-016)	6,808 gpd			
	November 10, 2005	P5: Cross Country, lined 155.9' of 12" pipe (045-016 to 045-015)	6,643 gpd			
	November 10, 2005	P5: Cross Country, lined 245.1' of 12" pipe (045-015 to 045-014)	10,356 gpd			
	November 10, 2005	P5: Cross Country, lined 236.85' of 12" pipe (045-014 to 045-013)	10,068 gpd			
	November 10, 2005	P5: Cross Country, lined 224.9' of 12" pipe (045-013 to 045-012A)	9,325 gpd			
	November 10, 2005	P3: High Street, replaced 173.9' of 8" pipe (019-091 to 019-088A)	360 gpd			
	November 9, 2005	Hatchfield Dr, replaced 2' of 8" pipe STA 1+01 to 1+03 (032-055C to 032-055B) see Photo 131A & 131B	1,440 gpd			
	November 9, 2005	P5: Twelfth Avenue, lined 298.7' of 8" pipe (067-033 to 067-031)	6,873 gpd			
	November 9, 2005	P5: Twelfth Avenue, lined 297' of 8" pipe (067-034 to 067-033)	6,873 gpd			
	November 9, 2005	P5: Twelfth Avenue, lined 191.3' of 8" pipe (067-035 to 067-034)	3,254 gpd			
	November 8, 2005	P5: Carleton Street, lined 407.1' of 8" pipe (017-127 to 017-088)				
	November 7, 2005	P5: Plain Street, lined 349.1' of 8" pipe (067-065 to 067-067)	764 gpd			



**Table 1**  
**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
	November 4, 2005	P5: Augusta Avenue, lined 270.8' of 8" pipe (017-110 to 017-074)	2,160 gpd			
	November 2, 2005	P5: Hamilton Street, lined 273.7' of 8" pipe (117-097 to 117-099)	2,940 gpd			
	November 2, 2005	P5: Hamilton Street, lined 275.8' of 8" pipe (117-098 to 117-099)	1,440 gpd			
	November 2, 2005	P5: Boulders Apartments, lined 304.9' of 8" pipe (045-037E to 045-037G)	4,583 gpd			
	November 2, 2005	P5: No. Quincy Street, lined 292.4' of 8" pipe (049-109 to 049-108)	5,050 gpd			
	November 2, 2005	P5: No. Quincy Street, lined 337.1' of 8" pipe (049-109 to 049-110)				
	November 2, 2005	P5: Bedford Street, lined 347.65' of 8" pipe (045-047 to 045-048)				
	November 2, 2005	P5: Bedford Street, lined 158.8' of 8" pipe (045-047 to 045-046)				
	November 2, 2005	P5: Manomet Street, lined 149.85' of 8" pipe (020-061 to 020-060)	3,960 gpd			
	November 2, 2005	P5: Manomet Street, lined 136.1' of 8" pipe (020-066 to 020-065)	180 gpd			
	November 2, 2005	P5: Manomet Street, lined 267.1' of 8" pipe (020-065 to 020-061)	315 gpd			
	November 2, 2005	P5: Anania Terrace, lined 388.4' of 8" pipe (020-067 to 020-065)	14,400 gpd			
	November 2, 2005	P5: Loucraft Avenue, lined 310.4' of 8" pipe (019-043 to 019-042)				
	November 2, 2005	P5: Maplewood Cir., lined 242.8' of 10" pipe (045-031A to 045-033B)	21,600 gpd			
	November 2, 2005	P5: Maplewood Cir., lined 152.1' of 10" pipe (045-031A to 045-030A)	4,320 gpd			
	November 2, 2005	P5: Maplewood Cir., lined 90' of 10" pipe (045-029A to 045-030A)	1,440 gpd			
	November 2, 2005	P5: Maplewood Cir., lined 308.3' of 10" pipe (045-029A to 045-028)	5,040 gpd			
	October 19, 2005	P5: Pomona Drive, lined 279.5' of pipe (045-032A to 045-032B)				
	October 19, 2005	P5: Pomona Drive, lined 105.4' of pipe (045-032A to 045-032G)	2,800 gpd			
	October 19, 2005	P5: Pomona Drive, lined 213.5' of pipe (045-032H to 045-032G)	360 gpd			
	October 19, 2005	P5: Pomona Drive, lined 118.6' of pipe (045-032H to 045-032I)	720 gpd			
	October 19, 2005	P5: Pomona Drive, lined 47.3' of pipe (045-032C to 045-032B)				
	October 19, 2005	P5: Oberline Road, lined 319.6' of pipe (045-032B to 045-032D)				
	October 19, 2005	P5: Annadea Road, lined 297.9' of 8" pipe (047-007A to 047-006A)	3,600 gpd			
	October 19, 2005	P5: Annadea Road, lined 227.9' of 8" pipe (047-007A to 047-008A)	1,080 gpd			
	October 19, 2005	P5: Annadea Road, lined 221.3' of 8" pipe (047-009A to 047-008A)	1,448 gpd			
	October 19, 2005	P5: Court Street, lined 422.65' of 8" pipe (047-061 to 047-063)	4,320 gpd			
	October 19, 2005	P5: Court Street, lined 245.3' of 8" pipe (047-061 to 047-020)	1,080 gpd			
	October 17, 2005	P5: Charline Drive, lined 57.15' of 8" pipe (047-062 to 047-062A)				
	October 17, 2005	P5: Charline Drive, lined 336.6' of 8" pipe (047-061 to 047-062)	2,700 gpd			
	October 13, 2005	P5: Pomona Drive, lined 243.3' of pipe (045-032 to 045-032A)	3,600 gpd			
	October 12, 2005	P5: Bark Circle, lined 238' of 8" pipe (045-083 to 045-084)				
	October 12, 2005	P5: Bark Circle, lined 205.4' of 8" pipe (045-083 to 045-082)				
	October 11, 2005	P3: Lincoln Street, replaced 205.2' of 10" pipe (019-103A to 019-103B)	2,160 gpd			
	October 11, 2005	P3: Lincoln Street, replaced 126.3' of 10" pipe (019-103B to 019-103C)				
	October 11, 2005	P3: Lincoln Street, replaced 59.9' of 10" pipe (019-103C to 019-103D)				
	October 11, 2005	P3: Lincoln Street, replaced 94.1' of 10" pipe (019-103D to 019-103E)				
	October 11, 2005	P3: Lincoln Street, replaced 134.1' of 10" pipe (019-103E to 019-103F)				
	October 11, 2005	P3: School St, replaced 294' of 10" pipe (019-088 to 019-103B)	720 gpd		396,268 gpd	
	Sept. 27 - 28, 2005	P5: Rehabilitation of 7 manholes	5,760 gpd			
	September 23, 2005	Van Cliff, replaced 8" pipe STA 3+00 to 3+05 (032-053 to 032-052) see Photos 127A & 127B				
	September 21, 2005	Marie Ave., replaced 8" pipe STA 2+70 to 2+89 (050-065 to 050-065B) see Photos 129A & 129B	2,880 gpd			
	September 21, 2005	Marie Ave., replaced 6' of 8" pipe STA 2+20 to 2+26 (050-066 to 050-067) see Photo 130A & 130B	1,440 gpd			
	September 20, 2005	Budd Ave., replaced 8" pipe STA 1+50 to 1+55 (053-062 to 053-063) see Photos 128A & 128B	7,200 gpd			



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**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
3rd Quarter 2005	September 16, 2005	P3: Green St., replaced 275' of 6" pipe (019-025 to 019-024)	1,440 gpd			
	September 12, 2005	Van Cliff, replaced 8" pipe STA 1+65 to 1+69 (032-053 to 032-052) <b>see Photos 126A &amp; 126B</b>				
	September 6, 2005	P3: N. Warren Ave., replaced 365' of 8" pipe (019-042 to 019-040)	6,840 gpd			
	September 6, 2005	P3: N. Warren Ave., replaced 157' of 8" pipe (019-044 to 019-042)				
	August 31, 2005	P2: Bartlett St., replaced 19.5' of 30" pipe (018-051B to 018-051)				
	August 31, 2005	P2: Chester Ave., replaced 18' of 18" pipe (018-051A to 018-051)				
	August 31, 2005	P2: Chester Ave., replaced 19.5' of 18" pipe (018-051B to 018-056)				
	August 31, 2005	P2: Chester Ave., replaced 89.5' of 18" pipe (018-056 to 018-056B)	1,440 gpd			
	August 25, 2005	West St., replaced 4' of 10" sewer pipe STA 1+29 to 1+33 (014-077 to 014-078)				
	August 23, 2005	P3: Roan Crt., replaced 286' of 8" pipe (019-041 to 019-040)	21,600 gpd			
	August 19, 2005	Roan Court, removed water & sewer service cross connection @ abandoned lot (019-040 to 019-041)				
	August 11, 2005	Rockland St., replaced service wye at STA 1+70 (031-088 to 031-093) <b>see Photos 122A &amp; 122B</b>				
	August 10, 2005	Rockland St., replaced wye & pipe STA 0+84 - 0+89 (031-087 to 031-086) <b>see Photos 123A &amp; 123B</b>	5,760 gpd			
	August 10, 2005	Windsor Cir., replaced 8" pipe STA 1+55 to 1+60 (031-090 to 031-089) <b>see Photos 124A &amp; 124B</b>				
	August 8, 2005	Rockland St., replaced 8" pipe STA 0+00 to 0+05 (031-088 to 031-093) <b>see Photos 121A &amp; 121B</b>	14,400 gpd			
	August 8, 2005	Chester Ave., replaced sewer manhole with underdrain connection (018-056) <b>see Photos 119A</b>	7,200 gpd			
	August 5, 2005	Adams St., replaced 8' of 8" pipe (053-097 to 053-096) <b>see Photo 120A and 120B</b>				
	August 5, 2005	P3: Plain St., replaced 210.6' of 10" pipe (066-082A to 066-082)				
	August 5, 2005	P3: Plain St., replaced 320.1' of 15" pipe (066-078 to 066-079)				
	August 5, 2005	P3: Plain St., replaced 265' of 15" pipe (066-080 to 066-079)				
	August 5, 2005	P3: Plain St., replaced 229' of 15" pipe (066-080 to 066-081)				
	August 5, 2005	P3: Plain St., replaced 254' of 15" pipe (066-081 to 066-082)				
	July 19, 2005	Calvin St., replaced service wye at STA 0+30 (031-031 to 031-030) <b>see Photos 125A &amp; 125B</b>	2,880 gpd		78,840 gpd	
	July 15, 2005	Calvin St., replaced 4' of 8" pipe STA 1+54 to 1+58 (031-031 to 031-030)	410 gpd			
2nd Quarter 2005	June 17, 2005	P3: Otis St., replaced 223' of 8" pipe (055-043 to 055-042B)				
	May 30, 2005	Forest Ave., replaced pipe (021-032 to 021-031) <b>see Photos 116A &amp; 116B</b>	720 gpd			
	May 17, 2005	Carrol Ave., replaced service wye STA 1+06 (025-021B to 025-021A) <b>see Photos 115A &amp; 115B</b>	760 gpd			
	May 16, 2005	P3: Appleby St., replaced 283' of 10" pipe (067-015 to 067-028)	8,640 gpd			
	May 12, 2005	P3: Armistion St., replaced 334' of 10" pipe (045-060 to 045-059)	4,320 gpd			
	May 12, 2005	P3: Armistion St., replaced 336' of 10" pipe (045-061 to 045-060)	570 gpd			
	May 11, 2005	P3: Twelfth Ave., replaced 300' of 8" pipe (067-031 to 067-028)	1,440 gpd			
	May 11, 2005	Carrol Ave., replaced service wye STA 0+59 (025-021B to 025-021A) <b>see Photos 118A &amp; 118B</b>				
	May 10, 2005	Carrol Ave., replaced pipe STA 1+42 to 1+47 (025-021A to 025-021C) <b>see Photos 117A &amp; 117B</b>	8,990 gpd			
	May 6, 2005	P3: Twelfth Ave., replaced 225' of 10" pipe (067-028 to 067-027)				
	April 28, 2005	P3: Armistion St., replaced 300' of 8" pipe (045-062 to 045-061)	720 gpd			
	April 28, 2005	P3: Armistion St., replaced 238' of 8" pipe (045-063 to 045-062)	36,000 gpd			
	April 15, 2005	P3: Pratt St., replaced 207' of 10" pipe (045-064 to 045-065)	8,640 gpd			
	April 12, 2005	P3: Armistion St., replaced 340' of 10" pipe (045-058 to 045-059)	30,240 gpd		101,450 gpd	
	April 12, 2005	P3: Allerton St., replaced 269' of 10" pipe (045-064 to 045-061)				
	March 26, 2005	Woodard Ave, replaced 4' of 12" pipe from STA 2+21 to 2+25 (025-103 to 025-102)	1,440 gpd			



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**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
1st Quarter 2005	March 8, 2005	Woodard Ave, replaced service wye STA 0+87 (025-003 to 025-002) <b>see Photos 114A &amp; 114B</b>	1,440 gpd			
	February 16, 2005	Vesey St., replaced pipe from STA 0+89 to 0+97 (023-028 to 023-027) <b>see Photos 113A &amp; 113B</b>				
	February 14, 2005	Vesey St., replaced service wye at STA 2+11 (023-029 to 023-028) <b>see Photos 112A &amp; 112B</b>				
	January 11, 2005	Hillberg Ave., replaced pipe from STA 0+35 to 0+51 (023-042 to 023-041) <b>see Photos 111A &amp; 111B</b>	1,440 gpd			
	January 11, 2005	Hillberg Ave., replaced pipe from STA 0+78 to 0+94 (023-040A to 023-040) <b>see Photos 107A &amp; 107B</b>	438 gpd		4,758 gpd	
4th Quarter 2004	December 21, 2004	Hillberg Ave., replaced pipe from STA 0+97 to 1+01 (023-044 to 023-043) <b>see Photos 108A &amp; 108B</b>	1,440 gpd			
	December 14, 2004	P2: Silver Rd., replaced 685' of 10" pipe (017-059 to 017-061)	15,840 gpd			
	December 14, 2004	Tremont St., replaced wye & pipe from STA 2+30 to 2+36 (023-016 to 023-014) <b>see Photos 109A &amp; 109B</b>	1,440 gpd			
	Dec. 13-30, 2004	Whitman Interceptor lining, Southfield Dr., East St. to Edison Easement (1,570 ft)	20,000 gpd			
	December 13, 2004	French Ave., replaced pipe from STA 1+13 to 1+25 (023-027 to 023-025) <b>see Photos 110A &amp; 110B</b>	2,160 gpd			
	December 3, 2004	P3: Annadea Rd., replaced 253' of 8" pipe (047-003A to 047-002A)	2,160 gpd			
	December 3, 2004	P3: Edward St., replaced 295' of 8" pipe (047-042 to 047-043)	8,640 gpd			
	December 3, 2004	P3: Edward St., replaced 207' of 8" pipe (047-042 to 047-041)	2,160 gpd			
	December 3, 2004	P3: Crane Rd., replaced 301' of 8" pipe (047-15A to 047-14A)	2,160 gpd			
	December 3, 2004	P3: Crane Rd., replaced 297' of 8" pipe (047-016A to 047-015A)	4,140 gpd			
	December 3, 2004	P3: Crane Rd., replaced 197' of 8" pipe (047-017A to 047-016A)	360 gpd			
	December 2, 2004	P3: Twin Oaks, replaced 225' of 8" pipe (047-009A to 047-010B)	4,320 gpd			
	December 2, 2004	P3: Twin Oaks, replaced 300' of 8" pipe (047-011A to 047-009A)	17,285 gpd			
	December 2, 2004	P3: Twin Oaks, replaced 250' of 8" pipe (047-011A to 047-012A)	5,760 gpd			
	December 2, 2004	French Ave., replaced pipe from STA 0+45 to 0+47 (023-027 to 023-025) <b>see Photos 105A &amp; 105B</b>	1,440 gpd			
	November 29, 2004	P2: Belmont Ave., replaced 89' of 8" and 10" pipe (017-011F to 017-011F1)				
	November 22, 2004	P2: Augusta Ave., replaced 763' of 8" and 6" pipe (017-110 to 017-115)	3,060 gpd			
	November 16, 2004	P2: Greenfield St., replaced 456' of 8" and 6" pipe ( 017-110 to 017-111)	360 gpd			
	November 8, 2004	P2: Spring St., replaced 292' of 8" pipe (017-036 to 017-037)	7,020 gpd			
	November 2, 2004	French Ave., replaced pipe from STA 0+16 to 0+18 (023-027 to 023-025) <b>see Photos 106A &amp; 106B</b>	4,102 gpd			
	November 2, 2004	P2: Poplar Rd., replaced 654' of 8" pipe (017-053 to 017-CAP6)	13,680 gpd			
	October 26, 2004	P2: Brook St. replaced 1,097' of 8" and 10" pipe (018-012A to 018-030)	5,220 gpd			
	October 25, 2004	P2: Green St., replaced 508' of 8" and 10" pipe (017-034 to 017-035)	11,430 gpd			
	October 14, 2004	Myrtle St, replaced pipe STA 0+14 to 0+18 (022-036 to 022-035) <b>see Photos 94A</b>	4,320 gpd			
	October 12, 2004	P2: Newbury St., replaced 528' of 8" and 6" pipe (017-128 to 017-131)	7,200 gpd			
	October 4, 2004	School St, replaced pipe from STA 0+05 to 0+09 (019-103B to 019-103A) <b>see Photos 95A &amp; 95B</b>	2,160 gpd		147,857 gpd	
3rd Quarter 2004	September 30, 2004	Lincoln St, capped service STA 2+03 (019-103A to 019-103) <b>see Photos 97A &amp; 97B</b>				
	September 30, 2004	Lincoln St, replaced pipe from STA 0+80 to 0+85 (019-103A to 019-103) <b>see Photos 96A &amp; 96B</b>	1,440 gpd			
	September 30, 2004	P2: Ash St., replaced 299' of 8" pipe (017-038 to 017-039)	360 gpd			
	September 24, 2004	Center St, replaced pipe STA 0+82 to 0+94 (0190-65 to 019-037B) <b>see Photos 99A &amp; 99B</b>	650 gpd			
	September 24, 2004	Center St, replaced service wye STA 1+08 (019-073 to 019-074) <b>see Photos 98A</b>	1,440 gpd			
	September 22, 2004	P2: Boylston St. replaced 561' of 8" pipe (020-054 to 020-056)	4,320 gpd			
	September 20, 2004	High St, replaced pipe from STA 1+15 to 1+21 (019-091 to 019-088A) <b>see Photos 100A &amp; 100B</b>	1,440 gpd			
2nd Quarter 2004	September 15, 2004	P2: Camden Ave., replaced 292' of 8" pipe (020-060 to 020-060A)				



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**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
3rd Quarter 2004	September 14, 2004	Legion PKW, replaced pipe from STA 0+46 to 0+64 (019-076 to 019-090) see Photos 101A & 101B	4,320 gpd			
	September 8, 2004	Legion PKW, replaced pipe from STA 0+96 to 0+98 (019-079 to 019-076) see Photos 102A & 102B	1,440 gpd			
	September 8, 2004	P2: Forest Rd. replaced 218' of 8" pipe (018-20A to 018-021A)	720 gpd			
	September 7, 2004	Center St, replaced service wye STA 0+19 (019-073 to 019-072) see Photos 103A & 103B				
	September 2, 2004	Packard WY, replaced pipe STA 3+01 to 3+10 (021-004 to 021-003) see Photos 104A	2,880 gpd		19,010 gpd	
2nd Quarter 2004					0 gpd	
1st Quarter 2004					0 gpd	
4th Quarter 2003	Sept 26 - Dec 31, 2003	Abington removal of 8 sump pumps		172,800	172,800 gpd	
3rd Quarter 2003	July 2003	P1: 002-079 MH rehab	2,880 gpd			
	July 2003	P1: 002-081 MH rehab	2,880 gpd			
	July 2003	P1: 002-098 MH rehab	4,320 gpd			
	July 2003	P1: 002-201 MH rehab	2,880 gpd			
	July 2003	P1: 002-200A MH rehab	2,880 gpd			
	August 2003	P1: 004-006 MH rehab	5,760 gpd			
	July 2003	P1: 009-017A MH rehab	7,200 gpd			
	July 2003	P1: 011-001 MH rehab	5,760 gpd			
	July 2003	P1: 011-002 MH rehab	4,320 gpd			
	July 2003	P1: 011-018 MH rehab	2,880 gpd			
	August 2003	P1: 012-067 MH rehab	2,160 gpd			
	July 2003	P1: 012-076 MH rehab	2,880 gpd			
	July 2003	P1: 017-125 MH rehab	4,320 gpd			
	August 2003	P1: 017-054 MH rehab	7,200 gpd			
	July 2003	P1: 021-001 MH rehab	28,800 gpd			
	August 2003	P1: 025-041A MH rehab	4,320 gpd			
	July 2003	P1: 027-068 MH rehab	2,160 gpd			
	July 2003	P1: 031-016 MH rehab	2,880 gpd			
	July 2003	P1: 031-089 MH rehab	7,200 gpd			
	July 2003	P1: 031-050A MH rehab	7,200 gpd			
	July 2003	P1: 032-019 MH rehab	4,320 gpd			
	August 2003	P1: 033-021 MH rehab	2,880 gpd			
	August 2003	P1: 041-079 MH rehab	7,200 gpd			
	July 2003	P1: 045-033 MH rehab	7,200 gpd			
	August 2003	P1: 045-065 MH rehab	7,200 gpd			
	July 2003	P1: 046-113A MH rehab	2,160 gpd			
	July 2003	P1: 047-029 MH rehab	4,320 gpd			
	July 2003	P1: 048-057D MH rehab	3,600 gpd			
	July 2003	P1: 049-091 MH rehab	2,160 gpd			



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**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
	August 2003	P1: 052-010 MH rehab	3,600 gpd			
	July 2003	P1: 061-011 MH rehab	5,040 gpd			
	July 2003	P1: 065-021 MH rehab	7,200 gpd			
	July 2003	P1: 065-028 MH rehab	31,680 gpd			
	August 2003	P1: 065-008A MH rehab	2,160 gpd			
	August 2003	P1: 117-088A MH rehab	4,320 gpd			
	August 2003	P1: Pleasant Street 008-010 towards 008-011 65' 8"	5,900 gpd			
	August 2003	P1: Rockland Street 008-013 to 008-012 306' 8"	25,000 gpd			
	July 2003	P1: Belair Street 004-040 to 004-023 116' 15"	3,600 gpd			
	July 2003	P1: Belair Street 004-023 to 004-020, 248' 15"	15,120 gpd			
	July 2003	P1: Belair Street 004-020 to 004-016, 320' 15"	16,560 gpd			
	July - Sept. 2003	Abington removal of 21 sump pumps		440,000 gpd	712,100 gpd	
2nd Quarter 2003	May 2003	P1: Belair Street 004-045 to 004-044 280' 15"	0 gpd			
	May 2003	P1: Belair Street 004-044 to 004-042 250' 15"	0 gpd			
	April 2003	P1: Belair Street 004-042 to 004-041 220' 15"	1,275 gpd			
	April 2003	P1: Belair Street 004-041 to 004-040 364' 15" & 18"	2,880 gpd			
	June 2003	P1: North Cary Steet 040-031 to 040-029 164' 12"	11,520 gpd			
	June 2003	P1: North Cary Steet 040-029 to 040-028 353' 12"	112,320 gpd			
	April 8, 2003	P1: Belair Street 004-016 to 017-012A, 415' 15"	14,400 gpd		142,395 gpd	
1st Quarter 2003	March 20, 2003	P1: Belair Street 017-012A to 017-011A 55' 15"	0 gpd			
	March 10, 2003	P1: Westgate Drive 007-127F to 007-127Q 196' 12"	34,560 gpd			
	February 26, 2003	P1: Easement off E. Westgate Dr. 007-127D to 007-127C 326' 12"	30,560 gpd			
	February 15, 2003	P1: Easement off E. Westgate Dr. 007-127C to 007-127B 251' 12"	57,500 gpd			
	February 10, 2003	P1: Easement off E. Westgate Dr. 007-127B to 007-127 335' 12"	410 gpd		123,030 gpd	
4th Quarter 2002	December-02	P1: Belair Street 017-011A to 017-010B 174' 15"	26,640 gpd			
	December-02	P1: Belair Street 017-010B to 017-011B 98' 15"	11,520 gpd			
	November-02	P1: Belair Street 017-011B to 017-010A 146' 15"	0 gpd			
	November-02	P1: Belair Street 017-010A to 017-009A, 235' 15"	2,160 gpd			
	November-02	P1: Belair Street 017-009A to 017-001B 209' 15"	0 gpd			
	Oct - Dec 2002	Removal of 138 private sump pumps throughout the city		3,008,000 gpd		
	October 3, 2002	Legion PKW, disconnected private catch basin, STA 0+48 (019-077 to 019-076) see Photo 93A & 93B		107,000 gpd	3,155,320 gpd	
3rd Quarter 2002	August 20, 2002	Removed catch basin grate on sewer manhole at end of Thatcher Crt. (MH 058-022)	100,000 gpd			
	July 30, 2002	Ash St., replaced pipe and service from STA 1+22 to 1+56 (017-039 to 017-038) see Photo 92B	4,320 gpd			
	July 29, 2002	S. Fuller St., replaced pipe from STA 0+27 to 0+33 (018-016B to 018-016A) see Photo 90A & 90B	SPL			
	July 27, 2002	Dover St., replaced service wye at STA 2+24 (018-017 to 018-016A) see Photo 87A & 87B	360 gpd			
	July 25, 2002	Dover St., replaced service wye at STA 2+40 (018-017 to 018-016A) see Photo 88A	1,440 gpd			
	July 24, 2002	Forest Rd., replaced pipe from STA 0+17 to 0+23 (018-021A to 018-020A) see Photo 91A & 91B	SPL			
	July 23, 2002	Dover St., removed service wye at STA 1+18 (018-018B to 018-019C) see Photo 89A & 89B	SPL		106,120 gpd	
	May 28, 2002	Spring St., replaced pipe from STA 1+73 to 1+75 (017-038 to 017-037) see Photo 78A & 78B	SPL			
	May 21, 2002	Spring St., replaced service wye at STA 1+82 (017-037 to 017-036) see Photo 76A & 76B	4,320 gpd			



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Annual Quarter	Dates Work Performed	Description of Work	Flow in gallons per day			Exfiltration Source
			Infiltration Removed	Inflow Removed	Total I/I per quarter	
2nd Quarter 2002	May 20, 2002	Poplar Rd., replaced service wye at STA 0+60 (017-054 to 017-053) see Photo 77A & 77B	2,880 gpd			
	May 17, 2002	Poplar Rd., replaced service wye at STA 0+84 (017-055 to 017-054) see Photo 75A & 75B	720 gpd			
	May 13, 2002	Poplar Rd., replaced service wye at STA 1+22 (017-055 to 017-054) see Photo 85A & 85B	1,440 gpd			
	May 9, 2002	Augusta Ave., replaced pipe from STA 1+08 to 1+12 (017-115 to 017-113) see Photo 84A & 84B	SPL			
	May 8, 2002	Prospect Ave., replaced pipe from STA 0+23 to 0+27 (017-114 to 017-113) see Photo 83A & 83B	4,320 gpd			
	May 8, 2002	Hancock Av., replaced pipe from STA 0+47 to 0+49 (009-086 to 009-085A) see Photo 74A & 74B	720 gpd			
	May 7, 2002	Earle St., replaced pipe from STA 2+20 to 2+25 (017-013A to 017-011A) see Photo 82A & 82B	SPL			
	May 7, 2002	Earle St., replaced pipe from STA 0+50 to 0+52 (017-013A to 017-011A) see Photo 79A & 79B	SPL			
	May 6, 2002	Elm St., replace pipe from STA 0+02 to 0+06 (011-011A to 011-011) see Photo 86A & 86B	720 gpd			
	May 2, 2002	Sunset Dr., replaced pipe from STA 0+00 to 0+05 (011-016 to 011-015) see Photo 81A & 81B	2,880 gpd			
	May 1, 2002	Sunset Dr., replaced pipe from STA 2+72 to 2+77 (011-017 to 011-016) see Photo 80A & 80B	720 gpd		18,720 gpd	
1st Quarter 2002	March 28, 2002	Hancock Ave., removed service stub at STA 1+45 (009-087 to 009-086) see Photo 73A & 73B	200 gpd			
	March 21, 2002	Hancock Ave., replaced service wye at STA 1+06 (009-087 to 009-086) see Photo 72A & 72B	1,440 gpd			
	March 11, 2002	Sunset Dr., replaced pipe from STA 1+45 to 1+52 (009-028 to 009-027) see Photo 71A & 71B	2,880 gpd			
	March 6, 2002	Margery Rd., replaced pipe from STA 1+11 to 1+16 (009-024 to 009-025A) see Photo 65A & 65B	1,440 gpd			
	March 5, 2002	Candy Ln., replaced pipe from STA 1+64 to 1+68 (009-021 to 009-020) see Photo 62A & 62B	100 gpd			
	March 4, 2002	Candy Ln., replaced pipe from STA 0+26 to 0+51 (009-020 to 009-019) see Photo 67A & 67B	1,440 gpd			
	February 28, 2002	Candy Ln., removed stub at STA 1+96 (009-021 to 009-020) see Photo 61A & 61B	SPL			
	February 26, 2002	Candy Ln., replaced pipe from STA 1+58 to STA 1+64 (009-020 to 009-019) see Photo 63A & 63B	1,000 gpd			
	February 25, 2002	N. Pearl St., replaced pipe from STA 0+15 to STA 0+25 (009-78A to 009-79) see Photo 70A & 70B	600 gpd			
	February 21, 2002	Candy Ln., replaced pipe from STA 0+0 to STA 0+28 (009-021B to 009-021) see Photo 68A & 68B	200 gpd			
	February 20, 2002	Candy Ln., replaced pipe from STA 2+63 to STA 2+68 (009-021 to 009-020) see Photo 69A & 69B	360 gpd			
	February 20, 2002	Candy Ln., replaced pipe from STA 1+09 to STA 1+15 (009-021A to 009-021B) see Photo 64A & 64B	100 gpd			
4th Quarter 2001	January 10, 2002	E. Westgate Dr., replaced pipe from STA 0+48 to STA 0+52 (007-127I to 007-127G) see Photo 66A & 66B	1,440 gpd		11,200 gpd	
	November 24, 2001	203 Prospect St., replaced broken service pipe at STA 0+10 (006-094 to 006-096)	SPL			
	November 19, 2001	Candy Lane, replaced pipe from STA 0+10 to 0+14 (009-041 to 009-040)	1,440 gpd			
	November 15, 2001	Candy Ln., replaced pipe from STA 2+31 to 2+37 (009-043 to 009-043A) see Photo 59A & 59B	SPL			
	November 14, 2001	Margery Rd., replaced pipe from STA 2+40 to 2+47 (009-042 to 009-041) see Photo 60A & 60B	SPL			
	November 13, 2001	Santee Road, replace pipe from STA 2+12 to 2+14 (009-058 to 009-056) see Photo 58A & 58B	SPL			
	November 13, 2001	Santee Road, replace pipe from STA 0+77 to 0+80 (009-058 to 009-056) see Photo 57A & 57B	SPL			
	November 13, 2001	Santee Road, replace pipe from STA 0+50 to 0+53 (009-058 to 009-056) see Photo 56A & 56B	SPL			
	October 17, 2001	191 Grove St., replaced broken pipe from approx. STA 0+40 to 0+46 (056+011 to 056+010)	SPL			
	October 9, 2001	West Street, replaced service wye at STA 0+30 (014-080 to 014-079) see Photo 55A	SPL		1,440 gpd	
3rd Quarter 2001	September 9, 2001	Fitzpatrick Cir, replaced pipe from STA 0+16 to 0+18 (005-104A to 005-104) see Photo 54B	SPL			
	August 20, 2001	Fitzpatrick Cir, replaced service wye at STA 1+32 (005-100 to 005-102) see Photo 52A & 52B	720			
	August 16, 2001	Fitzpatrick Cir, replaced service wye at STA 0+15 (005-098 to 005-099A) see Photo 48A & 48B	720			
	August 14, 2001	Fitzpatrick Cir, replaced service wye at STA 0+43 (005-104 to 005-102A) see Photo 53A & 53B	1,440			
	August 13, 2001	Fitzpatrick Cir, replaced wye & main from STA 1+12 to 1+20 (005-104A to 005-104) see Photo 49A & 49B	8,640			
	August 7, 2001	Sophia Ave., replaced pipe from STA 2+68 to 2+70 (005-140 to 005-136) see Photo 50A & 50B	SPL			
	August 3, 2001	Fitzpatrick Cir, replaced pipe from STA 2+38 to 2+46 (005-100 to 005-102) see Photo 51A & 51B	SPL		11,520 gpd	
	June 12, 2001	Oak Ridge Dr., replaced pipe from STA 1+40 to 1+55 (004-084 to 004-080) see Photo 47A & 47B	4,680 gpd			
	May 22, 2001	Crickett Rd., replaced pipe from STA 0+49 to 0+53 (004-057A to 004-053) see Photo 44A & 44B	7,200 gpd			



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Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day			Exfiltration Source
				Inflow Removed	Total I/I per quarter		
2nd Quarter 2001	May 21, 2001	Crickett Rd., replaced pipe from STA 1+82 to 1+86 (004-057A to 004-053) see Photo 45A & 45B	SPL				
	May 15, 2001	Shaws Parking Lot, removed entire 24" pipe (028-038 to 028-039)	SPL				
	May 15, 2001	Shaws Parking Lot, replaced entire 8" pipe (028-039 to 038-039A)	SPL				
	May 10, 2001	VFW off N. Quincy, repaired service pipe and wye (045-013 to 045-012) see Photo 46A & 46B	100,000 gpd				
	May 5, 2001	57 Wilder St., house service connected directly to drain pipe was removed see Photo 43	-				X
	April 25, 2001	Berglund Ave., replaced pipe from STA 2+10 to 2+13 (004-021 to 004-020) see Photo 37A & 37B	SPL				
	April 24, 2001	Berglund Ave., replaced pipe from STA 1+84 to 1+92 (004-021 to 004-020) see Photo 34A & 34B	SPL				
	April 23, 2001	Berglund Ave., replaced service wye at STA 2+35 (004-021 to 004-020) see Photo 36A & 36B	dripping				
	April 20, 2001	Benham St., replaced pipe from STA to ( ) see Photo 38A & 38B	???				
	April 19, 2001	Miller Ave., Replaced pipe from STA to ( ) see Photo 39A & 39B	???				
	April 12, 2001	Berglund Ave., replaced pipe from STA 1+71 to 1+74 (004-021 to 004-020) see Photo 35A & 35B	SPL				
	April 10, 2001	Thompson Ave., replaced pipe from STA 1+03 to 1+07 (004-017 to 004-016) see Photo 41A & 41B	SPL				
	April 9, 2001	Thompson Ave., replaced 6 " pipe from STA 0+38 to 0+44 (004-017 to 004-016) see Photo 42A & 42B	SPL				
	April 2, 2001	Reservoir Road, replaced service at wye at STA 0+74 (002-104 to 002-103) see Photo 40A & 40B	1,440 gpd		113,320 gpd		
1st Quarter 2001	March 27, 2001	Belmont and Ash St., replaced 8" pipe from STA 0+10 to 0+15 (018-072 to 018-073) see Photo 31A & 31B	SPL				
	March 19, 2001	Coventry Cir., replaced pipe from STA 0+91 to 0+97 (004-039A to 004-039) see Photo 34A & 34B	SPL				
	March 16, 2001	Coventry Cir., replaced pipe from STA 1+49 to 1+54 (004-039B to 004-039A) see Photo 32A & 32B	SPL				
	March 1, 2001	Coventry Cir., replaced pipe from STA 0+37 to 0+42 (004-039A to 004-039) see Photo 33A & 33B	14,400 gpd				
	February 27, 2001	Coventry Cir., replaced pipe from STA 0+70 to 0+76 (004-039B to 004-039A) see Photo 30A & 30B	SPL				
	February 26, 2001	Coventry Cir., replaced service connection at STA 0+12 (004-039B to 004-039A) see Photo 26A & 26B	5,760 gpd				
	February 20, 2001	Colonel Bell Dr., replaced pipe from STA 2+41 to 2+44 (004-007 to 004-006) see Photo 29A & 29B	2,880 gpd				
	February 12, 2001	Coventry Cir., replaced service connection at STA 1+44 (004-039A to 004-039) see Photo 27A & 27B	4,320 gpd				
	February 9, 2001	Coventry Cir., replaced pipe from STA 1+79 to 1+82 (004-039A to 004-039) see Photo 28A & 28B	4,320 gpd				
	January 30, 2001	Colonel Bell Dr., replaced service connection at STA 1+16 (004-036 to 004-024) see Photo 22A & 22B	4,320 gpd				
	January 29, 2001	Colonel Bell Dr., removed service wye at STA 1+04 (004-025 to 004-026) see Photo 21A & 21B	SPL				
	January 31, 2001	Colonel Bell Dr., removed service wye at STA 0+33 (004-008 to 004-007) see Photo 23A & 23B	SPL				
	January 23, 2001	Colonel Bell Dr., replaced pipe from STA 1+34 to 1+37 (004-025 to 004-026) see Photo 25A & 25B	SPL				
	January 9, 2001	Colonel Bell Dr., replaced pipe from STA 0+62 to 0+64 (004-004 to 004-003) see Photo 24A & 24B	2,160 gpd		38,160 gpd		
4th Quarter 2000	Nov. 30, 2000	West Haven Dr., replaced service connection at STA 0+44 (001-029 to 001-028) see Photo 12A & 12B	720 gpd				
	Nov. 28, 2000	West Haven Dr., replaced 7' of 8 "pipe, STA 1+85 to 1+92 (001-029 to 001-028) see Photo 20A & 20B	47 gpd *				
	Nov. 16, 2000	Elliot St., replaced 8' of broken pipe at house #184 (042-121 to 042-122) see Photo 15A & 15B	2,880 gpd				
	Nov. 14, 2000	Darren Dr., replaced pipe at leaking joint at STA 0+52 (001-028 to 001-026) see Photo 19A & 19B	SPL				
	October 26, 2000	Darren Dr., replaced pipe at leaking joint at STA 0+89 (001-028 to 001-026) see Photo 17A & 17B	SPL				
	October 23, 2000	Darren Dr., replaced 3 ' of cracked pipe STA 1+65 (001-028 to 001-026) see Photo 18A & 18B	SPL				
	October 17, 2000	Darren Dr., replaced 2' of broken pipe at STA 0+08 (001-028 to 001-026) see Photo 16A & 16B	SPL				
	October 5, 2000	Perkins Ave., replaced wye at STA 2+96 (063-009B to 063-005) see Photo 13A & 13B	SPL				
	October 3, 2000	Perkins Ave., plugged service wye at STA 3+30 ( 063-009B to 063-005) see Photo 14A & 14B	SPL				
	Sept. 15, 2000	Fitzpatrick Circle replaced 7' of 8" VCP	SPL		3,647 gpd		
10	August 21, 2000	Vine St., replaced broken pipe and service STA 0+99 to 1+01 (037-093 TO 037-092) see Photo 8A & 8B	SPL				
	August 17, 2000	12 Orchard Ave., removed service connection at STA 0+79 (037-128 to 037-127) see Photo 9A & 9B	180 gpd				
	August 18, 2000	14 Orchard Ave., replaced service connection at STA 2+28 (037-128 to 037-127) see Photo 10A & 10B	SPL				
	July 29, 2000	Van Cliff Ave., replaced service at STA 0+31 (032-059 to 032-052)	SPL				



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Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
3rd Quarter 2000	July 27, 2000	Paulin Ave., replaced service at STA 0+93 (065-070 to 065-069) see Photo 11A & 11B	720 gpd			
	July 26, 2000	Burril St., replaced service & broken pipe from STA 2+18 to STA 2+19 (048-051 to 048-050)	2,160 gpd			
	July 19, 2000	Roan Crt., replaced service connections at STA 0+27 & 0+29 (019-041 to 019-040) see Photo 1a & 1b	SPL			
	July 19, 2000	Roan Crt., replaced service connection at STA 0+61 (019-041 to 019-040) see Photo 2a & 2b	SPL			
	July 18, 2000	Albany St., replaced leaking joints at STA 2+85 (001-019 to 001-018) see Photo 3a & 3b	2,880 gpd			
	July 13, 2000	Stubb Rd., replaced service connection at STA 0+39 (009-026 to 009-024) see Photo 5a & 5b	360 gpd			
	July 13, 2000	Stubb Rd., replaced service connection at STA 1+03 (009-026 to 009-024) see Photo 6a & 6b	360 gpd			
	July 12, 2000	Stubb Rd., replaced broken pipe from STA 0+18 to 0+20 (009-026 to 009-024) see Photo 7a & 7b	2,880 gpd			
2nd Quarter 2000	July 11, 2000	Windsor Cir., Replaced a service tap at STA 0+05 (031-092 to 031-091) see Photo 4A & 4B	28,800 gpd		38,340 gpd	
	May 2000	Winnifred Road, service replacement at STA 1+32 (015-025 to 015-024)	360 gpd			
	May 2000	Fitzpatrick Avenue, replaced 300' of 8-in VC pipe that was defective (005-145A to MH 005-143)	2,010 gpd *			
	April 13, 2000	Main Interceptor infiltration leak at Meadow Lane bridge crossing	45,000 gpd			
1st Quarter 2000	?	Embassy Nursing Home had direct sewer connection to surface water			47,370 gpd	X
					0 gpd	
4th Quarter 1999	December 1999	Howard Street Sewer Replacement, 4,460 ft	29,882 gpd *			
	?	Snell Place Sewer Replacement of 15 ft	101 gpd *			
3rd Quarter 1999	July 1999	Country Club Lane Sewer Replacement of 400 ft	2,680 gpd *		29,983 gpd	
	July 1999	Country Club Place Sewer Replacement of 400 ft	2,680 gpd *			
2nd Quarter 1999	April 5, 1999	Belair St. MH 004-016 to 004-015 replaced 10' of 10" pipe between STA 1+83 & 1+89	67 gpd *		5,360 gpd	
					67 gpd	
1st Quarter 1999	March 29, 1999	Belair St. MH 004-016 to 004-015 replaced 6' of 10" pipe & 1 service between STA 1+37 & 1+41	40 gpd *			
	March 22, 1999	Belair St. MH 017-010B to 017-010A replace 6' of 10" pipe starting @ STA 0+28	40 gpd *			
4th Quarter 1998	September 1998	Warren & Keith, 60 ft west (Holmgren project)	402 gpd *		80 gpd	
	September 1998	Warren & W. Chestnut, 74 ft west (Holmgren project)	496 gpd *			
	September 1998	Warren & Calmar, 74 ft east (Holmgren project)	496 gpd *			
	September 1998	Warren & Market to Copeland, 1,135 ft (Holmgren project)	7,605 gpd *		8,999 gpd	
1st, 2nd, 3rd Quarter 1998	1998	Ellsworth (cured in place lining) 522 linear feet (017-125 to 017-118)	3,497 gpd *			
	January 1998	Disconnected CB connection to sewer at Stonehill College (at Duffy Academic Center)	41,200 gpd *			
1st Quarter 1997					44,697 gpd	
	December 1997	Warren & Clifton, north to Nilsson, 3,000 ft	20,100 gpd *			



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			Infiltration Removed	Inflow Removed	Total I/I per quarter	
4th Quarter 1997					20,100 gpd	
3rd Quarter 1997	August 1, 1997	137 Perkins Ave, broken sewer leaking into a broken drain below				X
	?	Sewer overflow disconnected at siphon on Bartlett St.				X
	?	Sewer overflow disconnected on the East Side Interceptor				X
	August 1, 1997	Matfield Woods Estates, possible infiltration from a force main crossing of a brook			0 gpd	X
1st & 2nd Quarter 1997	April 1997	Sawtell Ave. Sewer Replacement of 300 ft with 8" PVC (between Glendale St. and Alden St.)	2,010 gpd *			
	March 1997	Wilmington St. Sewer Replacement of 100 ft with 15" PVC	670 gpd *			
	January 27, 1997	150 Lisa Drive Replaced 8 ft of sewer with 8" PVC	54 gpd *			
		Market Street Sewer Replacement			2,734 gpd	
4th Quarter 1996	October 1996	Oak Green Apartments off Reservoir Street, disconnected a sewer MH from draining a surface water	900,000 gpd			
	October 1996	Biscayne Street Disconnected this abandoned private street from the city sewer because of several defects and constant I/I.	570,000 gpd		1,470,000 gpd	
3rd Quarter 1996	August 1996	Howard Street Bridge Reconstruction, replaced 150 ft under bridge with 12" DI	1,005 gpd *			
	August 1996	Terminal Place on Evans St., replaced 300 ft of sewer with 8"PVC	2,010 gpd *			
					3,015 gpd	
2nd Quarter 1996	May 1996	- Replaced 50 ft from Warren Ave. going west with 8" PVC	335 gpd *			
	May 1996	- Replaced 250 ft from intersection of Copeland with 12" DI	1,675 gpd *			
	May 1996	- Replaced 240 ft from Warren Ave. going east with 24" PVC	1,608 gpd *			
					3,618 gpd	
1st Quarter 1996	March 22, 1996	Augusta Ave. replaced 6 ft with 8" PVC	40 gpd *			
	February 29, 1996	Ash St. and Pleasant St. replaced 25 ft with 8" PVC	168 gpd *			
					208 gpd	
4th Quarter 1995	Dec. 27, 1995	68 Belair St. replaced 18 ft with 10" PVC	121 gpd *			
					121 gpd	
	Jan.-May 1995	Howard Street Interceptor Project - Replaced 838 ft on Intervale St. with 21" PVC - Replaced 244 ft on Dyer St. with 21" PVC - Replaced 1,511 ft on Winter St., Douglas St., and Oscar Ave. with 18" PVC	5,615 gpd * 1,635 gpd *			
	May 6, 1995	Rainville St. replaced 6 ft with 15" PVC	10,124 gpd *			
	April 1995	Sump pump removed at 55 Albert St.	40 gpd *	8,640 gpd **		
	April 1995	Sump pump removed at 115/117 Ames St.		8,640 gpd **		
	April 1995	Sump pump removed at 234 Ames St.		8,640 gpd **		
	April 1995	Sump pump removed at 266 Ames St.		8,640 gpd **		
	April 1995	Sump pump removed at 60 Arthur St.		8,640 gpd **		
	April 1995	Sump pump removed at 122 Arthur St.		8,640 gpd **		
	April 1995	Sump pump removed at 21 Baltic Ave.		8,640 gpd **		



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				Inflow Removed	Total I/I per quarter	
	April 1995	Sump pump removed at 70 Baltic Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 185 Baltic Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 155 Alden St.		8,640 gpd **		
	April 1995	Sump pump removed at 116 Ames St.		8,640 gpd **		
	April 1995	Sump pump removed at 260 Ames St.		8,640 gpd **		
	April 1995	Sump pump removed at 292 Ames St.		8,640 gpd **		
	April 1995	Sump pump removed at 105 Arthur St.		8,640 gpd **		
	April 1995	Sump pump removed at 136 Arthur St.		8,640 gpd **		
	April 1995	Sump pump removed at 40 Baltic Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 77 Baltic Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 38 Banks St.		8,640 gpd **		
	April 1995	Sump pump removed at 65 Lawton Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 35 Louis St.		8,640 gpd **		
	April 1995	Sump pump removed at 22 Merton St.		8,640 gpd **		
	April 1995	Sump pump removed at 58 Merton St.		8,640 gpd **		
	April 1995	Sump pump removed at 96 Merton St.		8,640 gpd **		
	April 1995	Sump pump removed at 116 North Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 154 North Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 37 Saint Casimir St.		8,640 gpd **		
	April 1995	Sump pump removed at 30 Louis St.		8,640 gpd **		
	April 1995	Sump pump removed at 29 Merton St.		8,640 gpd **		
	April 1995	Sump pump removed at 68 Merton St.		8,640 gpd **		
	April 1995	Sump pump removed at 112 North Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 122 North Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 165 Ridge St.		8,640 gpd **		
	April 1995	Sump pump removed at 24 Vermont Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 64 Banks St.		8,640 gpd **		
	April 1995	Sump pump removed at 11 Bellevue Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 124 Bellevue Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 43 Claremont St.		8,640 gpd **		
	April 1995	Sump pump removed at 107 Hovendon Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 115 Hovendon Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 164 Hovendon Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 247 Howard St.		8,640 gpd **		
	April 1995	Sump pump removed at 10 Intervale St.		8,640 gpd **		
	April 1995	Sump pump removed at 19 Westford St.		8,640 gpd **		
	April 1995	Sump pump removed at 91 Banks St.		8,640 gpd **		
	April 1995	Sump pump removed at 117 Bellevue Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 59 Bonney St.		8,640 gpd **		
	April 1995	Sump pump removed at 25 Granite St.		8,640 gpd **		
	April 1995	Sump pump removed at 114 Hovendon Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 121 Hovendon Ave.		8,640 gpd **		
	April 1995	Sump pump removed at 243 Howard St.		8,640 gpd **		
	April 1995	Sump pump removed at 267 Howard St.		8,640 gpd **		
	April 1995	Sump pump removed at 15 Intervale St.		8,640 gpd **		



**Table 1**  
**City of Brockton, Massachusetts**  
**Consent Decree, Civil Action Case No. 1:06-cv-11334-NMG**  
**Response to Section 42a - Activities Directed at Compliance with the Consent Decree**  
**History of Sewer System Repair and Rehabilitation**

Annual Quarter	Dates Work Performed	Description of Work	Infiltration Removed	Flow in gallons per day		Exfiltration Source
				Inflow Removed	Total I/I per quarter	
	April 11, 1995	240 Colonel Bell Drive replaced 6 ft with 8" PVC	40 gpd *			
	January 1, 1995	Sheridan St. replaced 10 ft with 10" PVC	67 gpd *			
	September 7, 1994	Braemoor Rd. replaced 8 ft with 8" PVC	54 gpd *			
	August 24, 1994	39 Southworth St. replaced 10 ft with 8" PVC	67 gpd *			
	August 1994	Fisk St. Sewer Replacement of 50 ft with 8" PVC	335 gpd *			
	June 6, 1994	Market St. replaced 200 ft with 10" PVC	1,340 gpd *			
	June 1994	I/I Rehabilitation Conducted by Atlantic Development Corporation				
		- Disconnected driveway drain from sewer at 28 Amark St.		4,320 gpd ***		
		- Disconnected driveway drain from sewer at 306 Field St.		4,320 gpd ***		
	Dec. 15, 1993	16 Hill St. replaced 8 ft with 8" PVC	54 gpd *			
	April 13, 1990	249 Boylston St. replaced 8 ft with 8" PVC	0 gpd *			
	May 1, 1990	Pleasant St. at Belair St. replaced 18 ft with 10" PVC	121 gpd *		477,412 gpd	

\* I/I estimate based on average I/I rate of 6.7 gpd/ft.

\*\* I/I estimate based on pump rate of 6 gpm.

\*\*\* I/I estimate based on pump rate of 3 gpm.

SPL: signs of previous leakage

Estimated Total Infiltration Removed: 4,045,605 gpd

Estimated Total Inflow Removed: 4,427,788 gpd

Estimated Total I/I Removed: 8,473,393 gpd



Photo 245 - Rutland St. SMH 037-106B

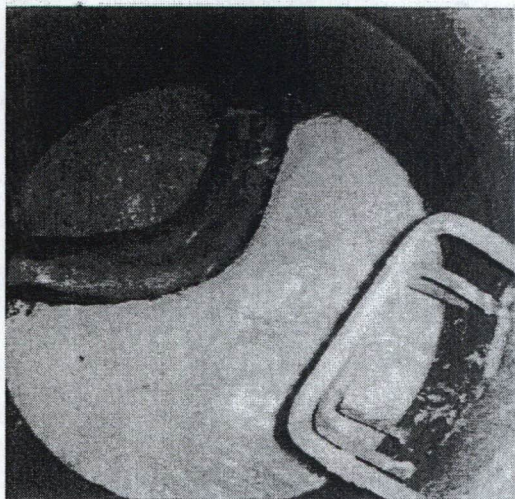


Photo 246 - Tufts Circle SMH 065-045

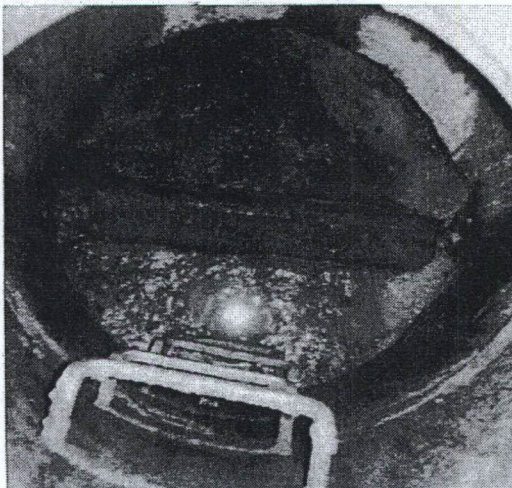


Photo 247 - Winslow Ave SMH 005-141

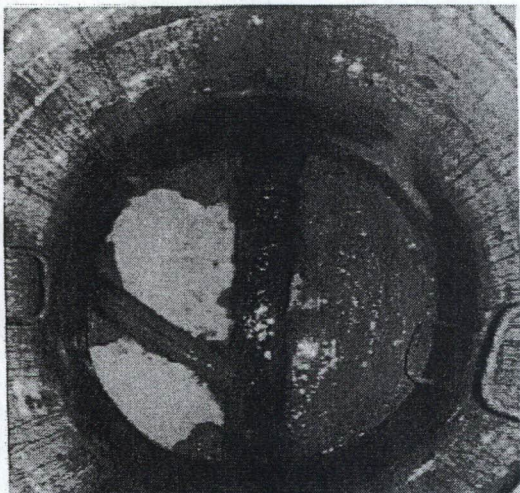


Photo 248 - Cumberland Dr. SMH 001-037







*"City of Champions"*

**DEPARTMENT OF PUBLIC WORKS  
OFFICE OF THE COMMISSIONER**

March 24, 2009

*Michael L. Thoreson*  
COMMISSIONER

CERTIFIED MAIL 7007 0710 0002 5722 6927

I. Andrew Goldberg  
Assistant Attorney General  
Massachusetts Office of the Attorney General  
One Ashburton Place  
18<sup>th</sup> Floor  
Boston, MA 02108

Subject: Brockton, Massachusetts  
Wastewater Collection/Treatment Facility  
Consent Decree Civil Action Case No. 1:06-cv-11334-NMG  
Confirmation of Permit Compliance

Dear Mr. Goldberg:

The following is a communication regarding a specific requirement of the City's Consent Decree Civil Action referenced above. This information is provided to supplement separate quarterly reports which are provided in accordance with Section 42 of the Consent Decree.

*Section 34 - Compliance with Discharge Permit:*

In conjunction with the completion of Phases 1-3 of POTW Upgrades, and as demonstrated by the DMR's, the City of Brockton is complying with effluent limitations, conditions, and requirements of its Permit, except with respect to those mass loading based pollutants for which interim limits remain in effect pursuant to paragraph 44, and with respect to copper, which shall be governed by the Administrative Order issued by EPA in AO 06-09 (the "Copper AO").

*Section 73 - Certification by representative of the City:*

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.



Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

*Closing*

We trust this information meets your expectations regarding the requirements of the subject Consent Decree. Please do not hesitate to contact me at 508-580-7135 regarding any questions or comments on this information.

Sincerely,



Michael L. Thoreson  
DPW Commissioner

MLT/ss

cc: Chief, Environmental Enforcement Section CERTIFIED MAIL 7007 0710 0002 5722 6934  
Environmental and Natural Resources Division  
United States Department of Justice  
P.O. Box 7611, Ben Franklin Station  
Washington, D.C. 20044

Barbara Healy Smith CERTIFIED MAIL 7007 0710 0002 5722 6941  
Assistant U.S. Attorney  
John Joseph Moakley U.S. Courthouse  
1 Courthouse Way, Suite 9200  
Boston, MA 02210

Tonia Bandrowicz CERTIFIED MAIL 7007 0710 0002 5722 6965  
Sr. Enforcement Counsel  
U.S. EPA  
Mail Code: SEL  
One Congress Street  
Boston, MA 02114-2023

Steven Couto CERTIFIED MAIL 7007 0710 0002 5722 6996  
Environmental Engineer  
U.S. EPA  
Mail Code: SEW  
One Congress Street  
Boston, MA 02114-2023



Dave Burns CERTIFIED MAIL 7007 0710 0002 5722 7009  
Massachusetts Department of Environmental Protection  
Southeast Regional Office  
20 Riverside Drive  
Lakeville, MA 02347

Joseph Shepherd, MADEP, SER CERTIFIED MAIL 7007 0710 0002 5722 7030  
Jack Hamm, MADEP, Boston CERTIFIED MAIL 7007 0710 0002 5722 6767  
J. Condon, Chief Financial Officer  
David Norton, Water and Sewer Contract Administrator  
Larry Rowley, Utilities Superintendent  
Elaine Czaja, Administrative Assistant  
Gregory A. Roy, CDM, Cambridge  
Ian W. Mead, CDM, Providence



**City of Brockton**

City Hall  
45 School Street  
Brockton, MA 02301

Mellon Trust of New England  
Boston, MA

5-123/110

VOID AFTER 1 YEAR

Check Number **321918**

Vendor No.	Check Date	Check Amount
2904	04/30/2008	\$75,000.00

"This disbursement has been approved as required by  
the Local Government Budget and Fiscal Control Act."

\*\*\*\*\*75,000 DOLLARS AND NO CENTS

Pay To The **OLD COLONY PLANNING COUNCIL**  
Order Of **70 SCHOOL STREET**  
**BROCKTON MA 02301**

*[Signature]*  
Authorized Signature MP

#321918# 0011001234# 06 119 0#

#0007500000#

ROCKLAND TRUST CO. >011304478<  
640064335 0481 02 0796739472  
640064335 05-14-08

BANK OF AMERICA NA NA  
011000138 E4141 90 P31  
1025-001 05/15/08  
05152000  
470410000

X  
PAY TO THE ORDER OF  
ROCKLAND TRUST CO.  
BROCKTON, MA 02301  
011304478  
FOR DEPOSIT ONLY  
OLD COLONY PLANNING COUNCIL  
REVOLVING ACCOUNT  
70 SCHOOL STREET  
BROCKTON, MA 02301  
LA POSTE DE BROCKTON MA 02301

Location	Account	Serial	Amount	Issue Date	Paid Date	Sequence	Misc Data
CD	61190	321918	\$75,000.00	4/30/2008	5/15/2008	4100482903	
R/T	GL Category	Volume ID	Process Control				
1100123	000000000000	20080530222801	000000				



CITY OF BROCKTON  
**PURCHASE ORDER**

Page 1

B DPW ADMINISTRATION  
I BROCKTON CITY HALL  
L 45 SCHOOL STREET  
L BROCKTON, MA 02301



Purchase Order #40570125-00 FY 2007

Date Ordered 06/18/07

Date Required

Purchase Order Number must be shown on all delivery papers, invoices and correspondence.  
Non-Taxable Exempt Certificate Number 0 46-001-382

THIS PURCHASE ORDER AUTHORIZES DELIVERY OF THE ARTICLES OR SERVICES LISTED BELOW AND, IF A PROPOSAL OR QUOTATION NUMBER IS SHOWN, IS SUBJECT TO THE TERMS AND CONDITIONS OF SAID PROPOSAL OR QUOTATION WITH ANY SUPPORTING DOCUMENTS.

V OLD COLONY PLANNING COUNCIL  
E 70 SCHOOL STREET  
N  
D BROCKTON, MA 02301  
O  
R

S DPW ADMINISTRATION  
H BROCKTON CITY HALL  
I 45 SCHOOL STREET  
P BROCKTON, MA 02301  
T  
O

Requisition  
40570132

Vendor Number		Freight Method/Terms		Department/Location	
002904				DPW-Comm.	
Item#	Description/Part No.	Unit	Qty	Cost Each	Extended Price
001	CONSENT DECREE SEP - REGIONAL WASTEWATER STUDY 60044175-538700		1.0 Each	75000.00000	75,000.00
				PO Total	75,000.00

DEVIATION FROM PRICES STATED HEREIN IS NOT PERMITTED  
WITHOUT A SIGNED CORRECTED PURCHASE ORDER.  
NOTE: TERMS AND CONDITIONS ON REVERSE APPLY TO THIS ORDER.

AUTHORIZED SIGNATURE



**OLD COLONY PLANNING COUNCIL**  
70 School Street, Brockton, Tel. 508 583-1833/Fax: (508) 559-8768  
Website: [www.ocpcrpa.org](http://www.ocpcrpa.org)  
OCPC Contract #07/210

This Contract made as of this day, November \_\_, 2007 by and between the Old Colony Planning Council (hereinafter called OCPC) and the City of Brockton (hereinafter called the City);

**WITNESS TO:**

WHEREAS The City has engaged OCPC to support and advise the consultants in the public information and participation tasks for the Upper Taunton River Basin Wastewater Evaluation Study:

NOW, THEREFORE, the parties hereto do mutually covenant and agree as follows:

1. **PARTICIPATION OF OCPC:** In accordance with its powers and duties enumerated under the Massachusetts General Laws, OCPC agrees to provide assistance to the City to undertake specific tasks spelled out below.
2. **SCOPE OF SERVICES:** The services to be performed by OCPC under this Cooperative Agreement are described in the attached Scope of Services (which is hereby made a part of this Agreement). OCPC shall do, perform, and carry out its part of the Agreement in such a manner as the DPW may reasonably determine to be satisfactory. For these services the City will pay OCPC \$75,000. OCPC will use \$11,250 for direct services and will use \$63,750 to contract with the chosen consultants and with the US Army Corps of Engineers for parts of the overall Upper Basin work program.
3. **TIME OF PERFORMANCE:** The services to be performed under the Cooperative Agreement shall commence on October 31, 2007 and all services required hereunder shall be performed until the end of Phase One, December 31, 2008.
4. **PAYMENT:** OCPC will submit invoices quarterly to the DPW showing the hours and rates of persons charging to the contract and any direct costs.
5. OCPC will work with the consultants to ensure that one copy of each public information publication, survey, meeting or presentation program or minutes, radio announcement, internet posting or other product generated by the consultants as part of the public information / participation effort is provided to the City, the EPA, MADEP and the Taunton River Watershed Study project team.
6. **PARTICIPATION:** The City will participate in the workgroup of interested communities providing technical guidance in the development of the evaluation of regional wastewater options.





*"City of Champions"*

**DEPARTMENT OF PUBLIC WORKS  
OFFICE OF THE COMMISSIONER**

February 26, 2009

CERTIFIED MAIL 7007 0710 0002 5722 6798

I. Andrew Goldberg  
Assistant Attorney General  
Massachusetts Office of the Attorney General  
One Ashburton Place  
18th Floor  
Boston, MA 02108

*Michael L. Thoreson*  
COMMISSIONER

**Subject: Brockton, Massachusetts  
Wastewater Collection/Treatment Facility  
Consent Decree Civil Action Case No. 1:06-cv-11334-NMG**

**Supplemental Environmental Project – Comprehensive Receiving Water  
Assessment**

Dear Mr. Goldberg:

The City of Brockton is submitting this Draft Scope of Services in compliance with the subject Consent Decree requirement for the Supplemental Environmental Project (SEP):  
"Comprehensive Receiving Water Assessment (the Assessment)."

Specifically, Appendix A of the Consent Decree stipulates that the City shall submit for approval to EPA and Mass DEP a draft Scope of Services for the Assessment, including a schedule for completion of the Assessment and identification of the consultant the City intends to use to conduct the Assessment. The Assessment shall include two low flow surveys conducted over a period not to exceed three years. Low flow shall be defined as flows equal to the August median flow or lower.

The Assessment shall include chemical and biological sampling of approximately 10 stations in locations upstream of the Brockton discharge to the confluence of the Matfield and Town Rivers, including all major tributaries, and reporting the results of the chemical and biological sampling.

The chemical and biological sampling programs, scheduling details, and cost considerations are described further below.



### **Sampling Locations:**

In accordance with the requirement of the SEP, the attached figure identifies the proposed ten sampling locations, from the Brockton Advanced Water Reclamation Facility (AWRF) to the Taunton River. The attached table provides additional detail for each location, including watercourse identification, whether or not the location was included in previous DEP sampling/testing programs, sampling location and access information, and the nearest confluence of the river system. As noted in the table, eight of the ten locations were included in previous chemical and biological testing by the MA DEP Division of Watershed Management (DWM) as detailed in the report 2006 DWM Environmental Monitoring Overview (CN277.0). The other two sites are included to comply with the SEP requirement to include major tributaries of the river system.

### **Chemical Sampling Program:**

The chemical sampling program will include sampling and lab testing for dissolved oxygen levels, pH, alkalinity, total hardness, turbidity, specific conductance, total dissolved solids, nitrogen series (nitrate, nitrite, ammonia, and total kjeldahl), chlorophyll A, and total and dissolved orthophosphate. Samples will be taken at each of the ten locations for each of the noted chemical tests, and transported to a testing lab. Alpha Analytical or a similar facility will be utilized to perform the lab testing for all water samples under this program. CDM will coordinate the program, collect and deliver the samples, and review and report results. It is estimated that each round of testing will include confirmation of sampling locations, compilation of precipitation and streamflow data, two days of field work for two, 2-person teams, compilation of all testing results, and a "Field Completion Memo" summarizing the procedures and results.

### **Biological Sampling Program:**

The biological sampling program will include macroinvertebrates and habitat assessment (using USEPA rapid bio-monitoring/bio-assessment protocol, or RBP), fish community, periphyton assessment (quantitative analysis of microalgae, bacteria, and/or fungi on submerged substrates) and macrophytes (qualitative analysis of vegetation at the sampling site, such as water starwort, waterwort, and pondweed.) CDM will coordinate the program, perform the field work and classifications (i.e., identification to family/genus), and review and report results. It is estimated that each round of testing will include confirmation of sampling locations, compilation of precipitation and streamflow data, five days of field work for one, 4-person team, in-house lab work for identification to family/genus, compilation of all sampling and analysis, and a "Field Completion Memo" summarizing the procedures and results.

### **Proposed Schedule:**

The chemical and biological sampling programs as noted above shall each be performed in years one (2009) and three (2011) of the Assessment. To comply with the requirement to



sample during "low flow" conditions, sampling will be performed in August of each sampling year. Precipitation levels (via NOAA) and the USGS stream gage level of the Taunton River shall be monitored prior to each year's sampling program, and will be documented for the five days prior to sampling. Following completion of the year-three sampling program and field completion memos, the SEP Completion Report shall be submitted by March 31, 2012, as stipulated in the SEP.

#### **Cost Considerations:**

The SEP includes a requirement that the City shall expend a total of no more than \$80,000 toward the cost of the Assessment. Further, the City shall include documentation of the expenditures made in connection with the Assessment as part of the SEP Completion Report, which shall be submitted by March 31, 2012. To complete the chemical and biological sampling programs in years one and three of the program, plus all reporting, the current estimate to complete all work is \$95,000. In order to cost effectively complete the final scope of work while limiting additional costs to the City beyond the requirement of the SEP, the City of Brockton intends to utilize City personnel to assist CDM staff with field work where possible. Additional cost savings will be evaluated throughout the program to ensure that the final Scope of Work is properly completed in a cost effective manner.

#### **Certification by Representative of the City:**

In accordance with Section 73 of the Consent Decree, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

#### **Closing**

We trust this information meets your expectations regarding the required scope of work for the Comprehensive Receiving Water Assessment. Please do not hesitate to contact me at 508-580-7135 regarding any questions or comments on this information.

Sincerely,



Michael L. Thoreson  
DPW Commissioner  
Enclosures  
MLT/ss



cc: Chief, Environmental Enforcement Section CERTIFIED MAIL 7007 0710 0002 5722 6804  
Environmental and Natural Resources Division  
United States Department of Justice  
P.O. Box 7611, Ben Franklin Station  
Washington, D.C. 20044

Barbara Healy Smith  
Assistant U.S. Attorney  
John Joseph Moakley U.S. Courthouse  
1 Courthouse Way, Suite 9200  
Boston, MA 02210

CERTIFIED MAIL 7007 0710 0002 5722 6842

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U.S. EPA  
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One Congress Street  
Boston, MA 02114-2023

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Dave Burns  
Massachusetts Department of Environmental Protection  
Southeast Regional Office  
20 Riverside Drive  
Lakeville, MA 02347

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Joseph Shepherd, MADEP, SER  
Jack Hamm, MADEP, Boston

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CERTIFIED MAIL 7007 0710 0002 5722 6897

John Condon, Chief Financial Officer  
Elaine Czaja, DPW Administrative Assistant  
David Norton, Water and Sewer Contract Administrator  
Larry Rowley, Utilities Superintendent  
Gregory A. Roy, CDM Cambridge  
Ian W. Mead, CDM Providence





**CDM**

1,900 950 0 1,900 Feet

CONSENT DECREE SEP  
DRAFT SAMPLING LOCATIONS

BROCKTON, MA  
2/19/09



Site Number	Watercourse	Previous DEP Sampling Site? **	Comments and Location	Nearest Confluence	Access
1	Salisbury Plain River	Yes	Upstream of wastewater treatment facility discharge to Salisbury Plain River	Salisbury Plain River and Edson Brook	Sargent's Way
2	Edson Brook	No	Major Tributary; Upstream of confluence with Salisbury Plain River	Salisbury Plain River and Edson Brook	Treatment Plant
3	Salisbury Plain River	Yes	Downstream from Belmont Street, East Bridgewater	Salisbury Plain River and Edson Brook	No good public access, possible private access.
4	Beaver Brook	Yes	Belmont Street, East Bridgewater	Beaver Brook and Salisbury Plain River	Northeast of Cheryl Drive, near #525 Belmont St.
5	Matfield River	Yes	West Union Street, East Bridgewater	Meadow Brook and Matfield River	300' West of Cross St. on West Union
6	Meadow Brook	Yes	West Union Street, East Bridgewater, MA	Meadow Brook and Matfield River	100' West of Orange St. on West Union
7	Satucket River	Yes	Plymouth Street, East Bridgewater, MA	Satucket and Matfield Rivers	100' South of Whitman St. on Plymouth St.
8	Matfield River	No	Upstream of Agricultural Area	Satucket and Matfield Rivers	Possibly Copperfield Drive or Leo Way
9	Matfield River	Yes	High Street, Bridgewater, MA	Matfield River and Town River	High Street near #1440 High St.
10	Taunton River	Yes	Plymouth Street, Bridgewater, MA	Matfield River and Town River	300' North of Running River Rd. on Plymouth St.

\*\* Per DEP Report: "2006 DWM ENVIRONMENTAL MONITORING OVERVIEW (CN 277.0)"



LEAD SEP COST SUMMARY

School Name	Drinking Water	Possible Drinking	Fixture inc in sampling			
	DW	PDW	DW +PDW	total x \$7.50	Samples	Actual Cost
Davis School	18	79	97	\$727.50	121	907.50
Huntington School	47	4	51	\$382.50	39	292.50
Goddard School - Champion Charter	15	13	28	\$210.00	26	195.00
Old Colony Y Youth Division- Day Care	2	2	4	\$30.00	5	37.50
Old Colony Y West Chestnut - Day Care	3	11	14	\$105.00	14	105.00
Old Colony Y Pleasant St - Day Care	3	11	14	\$105.00	11	82.50
Old Colony Y Main Division- Day Care	0	1	1	\$7.50	1	0.00
Boys and Girls Club -Day Care	6	10	16	\$120.00	18	135.00
Ashfield School	37	11	48	\$360.00		0.00
Brookfield School	37	28	65	\$487.50	75	562.50
Hancock School	33	26	59	\$442.50	67	502.50
J P Downey School	42	81	123	\$922.50	104	780.00
Howard School	17	11	28	\$210.00	35	262.50
Keith School	9	62	71	\$532.50	47	352.50
J F Kennedy School	38	30	68	\$510.00	55	412.50
Raymond School	13	73	86	\$645.00	58	435.00
Whitman School	4	7	11	\$82.50	10	0.00
Angelo School	67	34	101	\$757.50	102	765.00
Arnone School	58	67	125	\$937.50	95	712.50
Plouffe School	73	96	169	\$1,267.50	100	750.00
Lincoln /Ithaka School	23	30	53	\$397.50	25	187.50
BB Russell School	4	23	27	\$202.50	22	165.00
East Jr. High	13	25	38	\$285.00	36	270.00
North Jr. High	17	51	68	\$510.00	42	315.00
South Jr. High	20	28	48	\$360.00	43	322.50
West Jr. High	16	42	58	\$435.00	33	247.50
Gilmore Academy	28	9	37	\$277.50	55	412.50
Brockton High School -Red	4	5	9	\$67.50	155	1,162.50
Brockton High School -Blue (Azure)	3	14	17	\$127.50	127	952.50
Brockton High School -Green	6	26	32	\$240.00	98	735.00
Brockton High School -Yellow	7	21	28	\$210.00		0.00
Brockton High School -Central (Admin)	3	13	16	\$120.00		0.00
Brockton High School -Fine Arts	9	55	64	\$480.00		0.00
Brockton High School -Gym	15	36	51	\$382.50		0.00
Brockton High School -Core	13	82	95	\$712.50		0.00
Brockton High School -Main Kitchen	11	7	18	\$135.00		0.00
Brockton High School -Service Area	0	2	2	\$15.00		0.00
Trinity Academy- St Edwards	7	31	38	\$285.00		0.00
Trinity Academy -Jr High School	10	25	35	\$262.50		0.00

Totals

1913 \$14,347.50 1619 12,060.00  
TOTAL LAB COST \$12,060.00



Meter Readers							
Name	Reg	OT	OT 6.5 hours 10/25/2008	OT 5.5 hours 11/1/2008	OT 5.5 hours 11/8/2008	OT 5.5 hours 11/15/2008	
Burke		\$29.5671 \$44.3507	\$288.28	\$243.93	\$243.93	\$243.93	
Capeau		\$27.9386 \$41.9079	\$272.40	\$230.49	\$230.49	\$230.49	
Czaja		\$27.6994 \$41.5491	\$270.07	\$228.52	\$228.52	\$228.52	
Lazorko		\$24.5214 \$36.7821					
McDermott		\$27.1614 \$40.7421	\$264.82	\$224.08	\$224.08	\$224.08	
Tartaglia		\$27.6994 \$41.5491					
			\$1,095.57	\$927.02	\$927.02	\$927.02	
total meter reader							\$3,876.65

Custodians (School Dept)							
Name	Reg	OT	OT 6 hours 10/25/2008	OT 5 hours 11/1/2008	OT 5 hours 11/8/2008	OT 5 hours 11/15/2008	
P Spillane		46.1007	\$276.60	\$230.50	\$230.50	\$230.50	
G Hill		28.4993		\$142.50			
N Kellum		28.4993			\$156.75		
M Rentas		28.4993	\$171.00			\$171.00	
			\$447.60	\$373.00	\$387.25	\$401.50	
total custodian (school employee)							\$1,609.35

TOTAL LEAD SEP COSTS TO DATE: \$17,545.99